ORDER NO. BSD0301M001
D21

Service Manual

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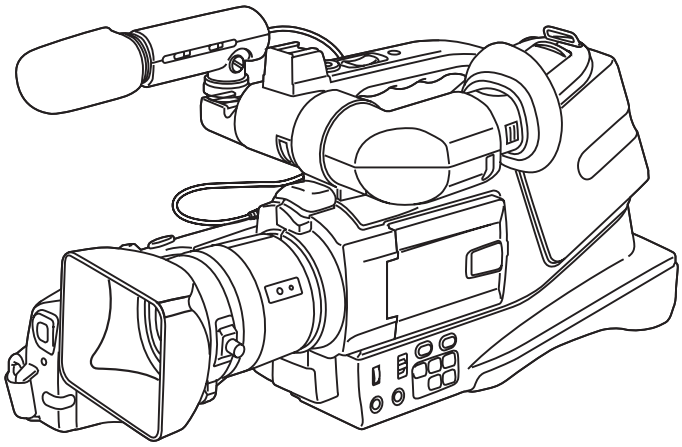
Mini DV

Digital Video Camera/Recorder

AG-DVC7P



Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicans. Any attempt to service or repair the product or products deal with in this service manual by anyone else could result in serious injury or death.

Specifications

[Digital Video Camera]

Information for your safety

Power Source: DC 7.2 V (Battery)
DC 7.9 V (AC adapter)
Power consumption:
Recording
3.2 W (When using Viewfinder)
4.0 W (When using LCD Monitor)
6.5 W (Max.)

▭ indicates safety information.

Recording Format:
Mini DV (Consumer-use Digital Video SD Format)
Tape Used:
6.35 mm digital video tape
Recording/Playback Time:
SP: 80 min.; LP: 120 min. (with DVM80)

Video
Recording System:
Digital Component
Television System:
525 lines, 60 fields NTSC color signal

Audio
Recording System:
PCM Digital Recording
16 bit (48 kHz/2ch), 12 bit (32 kHz/4ch)
Image Sensor:
1/4-inch CCD Image Sensor
Lens:
Auto Iris, F1.8, Focal Length; 3.1–46.5 mm,
Macro (Full Range AF)
Filter Diameter:
43 mm
Zoom:
15:1 Power Zoom
Monitor:
2.5-inch LCD
Viewfinder:
Color Electronic Viewfinder
Microphone:
Stereo
Speaker:
1 round speaker (20 mm diameter)
Standard Illumination:
1,400 lx
Minimum Required Illumination:
1 lx (Digital Gain-up Mode)

Video Output Level:
1.0 V [p-p], 75 Ω
S-Video Output Level:
Y Output: 1.0 V [p-p], 75 Ω
C Output: 0.286 V [p-p], 75 Ω
Audio Output Level (Line):
316 mV, 600 Ω
Video Input Level:
1.0 Vp-p, 75 Ω
S-Video Input Level:
Y Input: 1.0 V [p-p], 75 Ω
C Input: 0.286 V [p-p], 75 Ω
Audio Input Level (Line):
316 mV, 10 kΩ or more
Mic Input:
Mic sensitivity –50 dB (0 dB=1 V/Pa, 1 kHz)
(Stereo mini jack)
Digital Interface:
DV Input/Output Terminal (IEEE1394, 4-pin)
Dimensions (W×H×D)
Approx. 8 7/16×8 7/8×17 1/16 inch
(213×225×432 mm)
Weight
Approx. 4.4 lb (2.0 kg)
(without Battery and DV cassette)
Approx. 4.62 lb (2.1 kg)
(with supplied Buttery and DVM60)
Operating Temperature:
32°F to 104°F (0°C to 40°C)
Operating Humidity:
10% to 80%

[AC Adapter]

Information for your safety

Power Source: 110/120/220/240 V AC, 50/60 Hz
Power consumption:
18 W
DC Output:
DC 8.4 V, 1.2 A (Charge)
DC 7.8 V, 1.4 A Max. (Camera Recorder)

▭ indicates safety information.

Dimensions (W×H×D)
2 13/16×1 13/16×4 5/8 inch
(70×44.5×116 mm)
Weight
0.35 lb (0.16 kg)

Weight and dimensions are approximate values.
Specifications may change without prior notice.

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

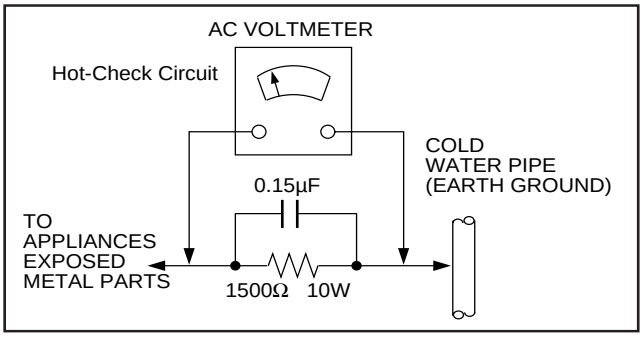

Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ , 10W resistor, in parallel with a 0.15µ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverses the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB :

PCBs (manufactured) using lead free solder will have a Pbf stamp on the PCB.

Caution :

1. Pb free solder has a high melting point than standerd solder; Typically the melting point is 50-70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C)

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpacked replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing x-radiation.

Note : It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ± 0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an x-radiation possibility, it is essential to use the specified picture tube.

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1 SERVICE INFORMATION

1.1. EEPROM DATA FOR SPARE PARTS OF THE MAIN C.B.A.

When the Main C.B.A. is replaced, the fixed and average data must be changed by Tatsujin kit according to the Movie Camera's suffix.

Then, confirm and/or adjust the VTR and Camera section one by one.

1.2. SERVICE EXTENSION CABLES

This models is required the following extension cables for all connections.

Note 1:

Use the following extension cables when checking or adjusting individual circuit boards except module Parts.

(Main C.B.A. and Mother C.B.A.)

Ref.	Part No.	Pin	Part Name	Connection	Q'ty	Remarks
(1)	VFK1364	14	Flat Cable	FP291 (CCD) - CCD Int	1	as NV-DS55
(2)	VFK1758	5	Flat Cable	FP6518 (Mother) - MF Ring	1	as NV-GS5K
(3)	VFK1282	22	Flat Cable	FP6506 (Mother) - Lens Unit	1	as NV-DX1

How to use extension cables.

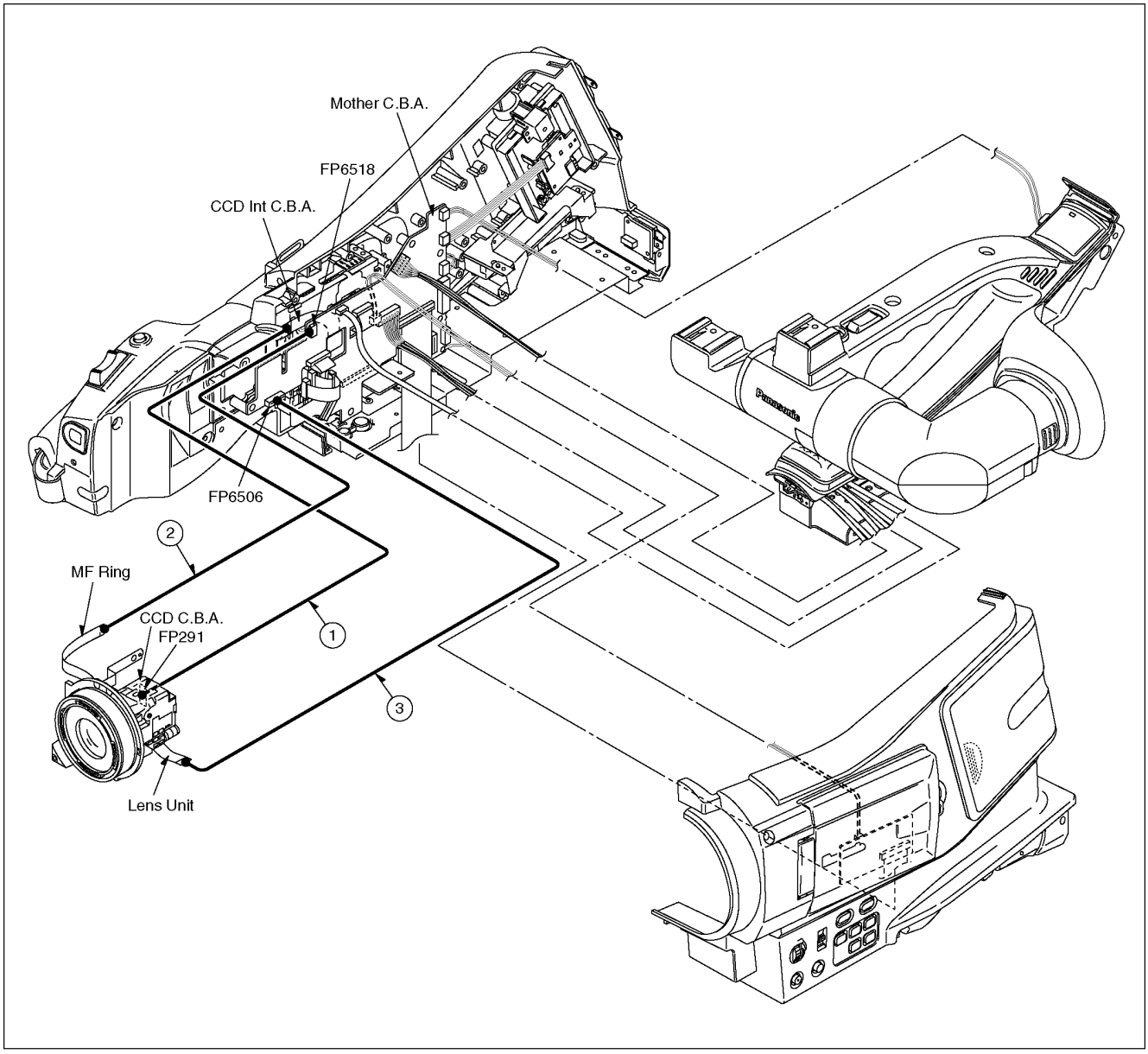


Fig. T1-1

1.3. SERVICE EXTENSION CABLE FOR ALL C.B.A. INCLUDED IN MODULE UNIT

This models is required the following extension cables for all connections.

Use the following extension cables when checking or adjusting individual circuit boards.

Ref.	Part No.	Pin	Part Name	Connection	Q'ty	Remarks
(1)	VFK1364	14	Flat Cable	FP291 (CCD) - CCD Int	1	as NV-DS55
(2)	VFK1758	5	Flat Cable	FP6518 (Mother) - MF Ring	1	as NV-GS5K
(3)	VFK1282	22	Flat Cable	FP6506 (Mother) - Lens Unit	1	as NV-DX1
(4)	VFK1492	26	Flat Cable	FP601 (Main) - FP6503 (Mother)	1	as NV-DS99
(5)	VFK1443	18	Flat Cable	FP6302 (Main) - FP6521 (Mother)	1	as NV-DS99
(6)	VFK1459	39	Flat Cable	FP4801 (Main) - FP6504 (Mother)	1	as NV-EX1
(7)	VFK1461	20	Flat Cable	FP6301 (Main) - FP6511 (Mother)	1	as NV-EX1
(8)	VFK1282	22	Flat Cable	FP801 (Main) - FP6507 (Mother)	1	as NV-DX1
(9)	VFK1282	22	Flat Cable	FP701 (Main) - FP6505 (Mother)	1	as NV-DX1
(10)	VFK1364	14	Flat Cable	FP6751 (Battery Int) - Battery Catcher	1	as NV-DS55
(11)	VFK1804	3	Wire Cable	P6513 (Mother) - (Main)	1	New
(12)	VFK1441	8	Flat Cable	FP5001 (Main) - Cylinder (Head Amp)	1	as NV-DS77
(13)	VFK1440	10	Flat Cable	FP2202 (Main) - Cylinder (Drive)	1	as NV-DS77
(14)	VFK1443	18	Flat Cable	FP2201 (Main) - Capstan	1	as NV-DS99
(15)	VFK1492	26	Flat Cable	FP2203 (Main) - Mecha. Unit	1	as NV-DS99
(16)	VFK1545	100	Flat Cable	PS3901 (Main) - PP6501(Mother)	1	as NV-DS11

How to use extension cables.

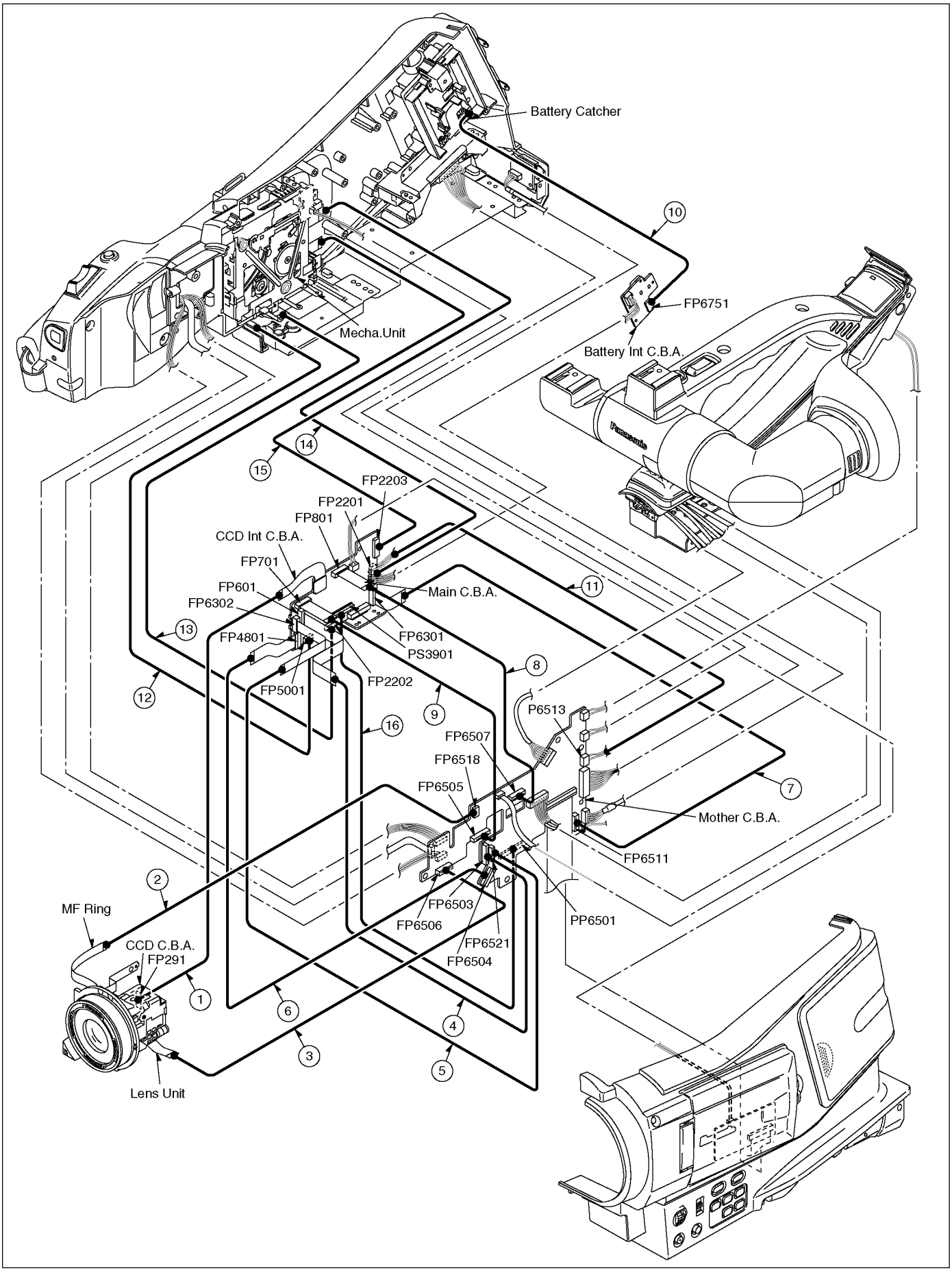


Fig. T1-2

1.4. MAINTENANCE

1.4.1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms uses wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)	
			Every 1000	2000
-	Cleaning of the travel system	-----	C: Every 500 hours	
-	Mechanical chassis unit	VXY1629		R
1	Cylinder Unit	VEG1501	R	IM
2	Center Gear	VDG1498		IM
3	Pinch Arm Unit	VXL3095		IM
4	Reel Plate Unit	VXA6999		IM
5	Tension Band	VMC1701		IM
6	S Boat Unit	VXA6995		IM
7	T Boat Unit	VXA6996		IM

Replacement of the mechanical chassis unit is recommended for the 2,000 h maintenance.

R: Assembly subject to exchange.

IM: Included in the mechanical chassis unit.

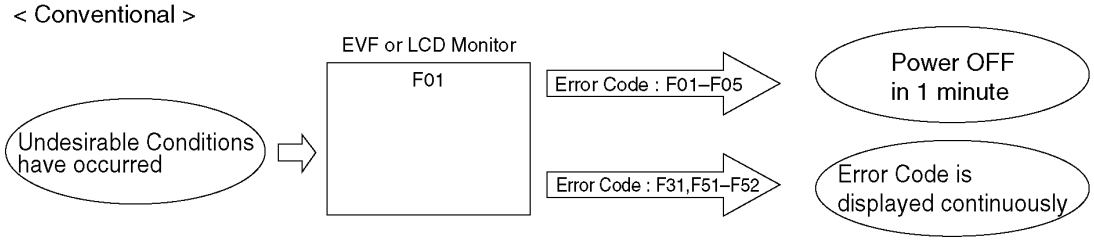
When the mechanical chassis unit is not exchanged, exchange as a single part is required.

2 SERVICE MODE

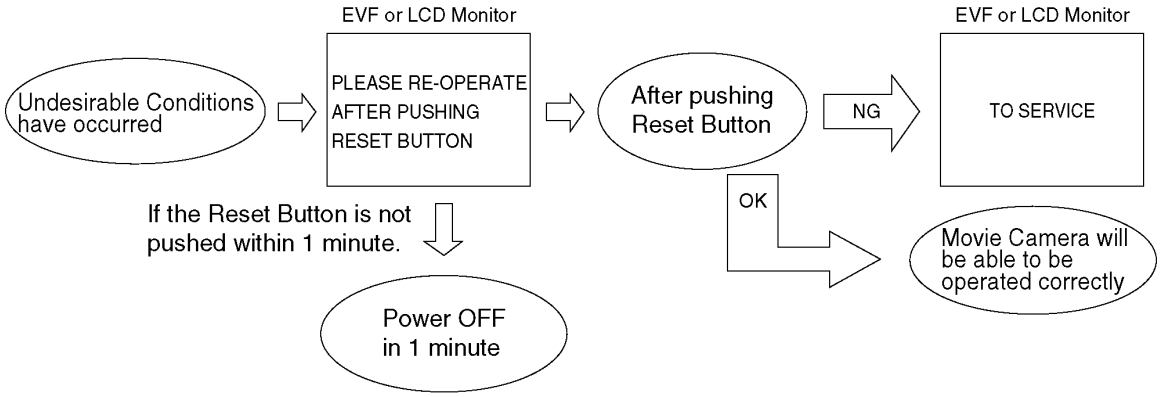
2.1. New Error Code Display

Conventionally, the error code has been displayed automatically on the EVF or LCD Monitor when undesirable conditions have occurred. With the New Error Code Display, the error code has not been displayed automatically as follows except some error codes F31(Data Transmission Error), U10(Dew) and U11(Head Clogging).

< Conventional >



< New >


EVF or LCD Monitor
EVF or LCD Monitor
Undesirable Conditions have occurred
PLEASE RE-OPERATE AFTER PUSHING RESET BUTTON
After pushing Reset Button
NG
TO SERVICE
OK
Movie Camera will be able to be operated correctly
If the Reset Button is not pushed within 1 minute.
Power OFF in 1 minute

Note:

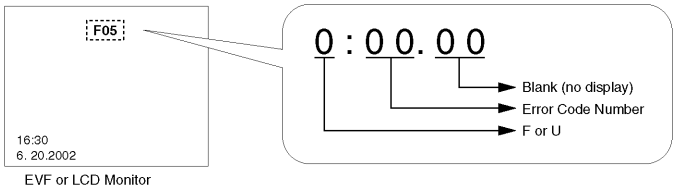
1. The only some error codes F31, U10 and U11 has displayed automatically on the EVF or LCD monitor as usual.
2. The Power LED also has been flashed for 1 min. when undesirable condetions have occurred.(See below)

2.2. Viewing Error Code

When displaying the Error Code on the EVF or LCD Monitor, push the FADE/STOP and REC START/PAUSE buttons simultaneously for more 3 seconds.

Note:

When the cassette tape is inserted, this operation will not be worked.



EVF or LCD Monitor

DISPLAY	CONDITION	POWER OFF TIMING / POWER LED FLASHING TIMING
F01	T-Reel Lock	After 1 minute flashing the LED
F02	S-Reel Lock	After 1 minute flashing the LED
F03	Unloading Lock	After 1 minute flashing the LED
F04	Loading Lock	After 1 minute flashing the LED
F05	Cylinder Lock	After 1 minute flashing the LED
F31	Data Transmission Error	Not turning OFF
F51	Zoom Motor Lock	Not turnig OFF Power LED is flashed at 1 Hz timing
F52	Focus Motor Lock	Not turnig OFF Power LED is flashed at 1 Hz timing
U10	Dew Detection	After 18 seconds flashing the LED Power LED is flashed at 1 Hz timing
U11	Head Clogging	Not turning OFF

3 HOW TO REPLACE THE LITHIUM BATTERY (PROCEDURE)

1. Remove the Mother C.B.A.. (Refer to Disassembly Procedures.)
2. Unsolder the Lithium Battery “ML920S” and then replace the new one. (See Fig. B1.)

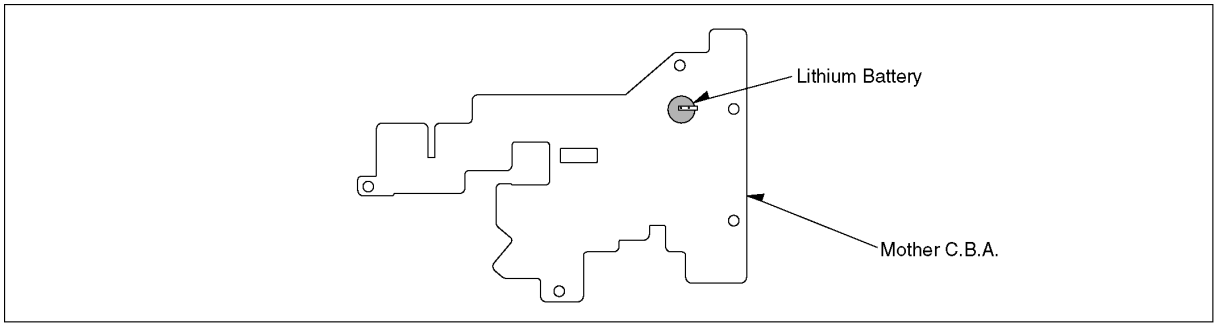


Fig. B1

Note:

The lithium battery is a critical component. (Type No.: ML920S Manufactured by Panasonic.)

It must never be subjected to excessive heat or discharge.

It must therefore only be fitted in equipment designed specifically for its use.

Replacement batteries must be of the same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.

PRECAUTION

Le fait de remplacer incorrectement la pile peut présenter des risques d'explosion.
Remplacer la pile uniquement par une pile identique ou de type équivalent recommandée par le fabricant. Se débarrasser des piles usagées conformément aux instructions du fabricant.

VORSICHT

Bei einer falsch eingesetzten Batterie besteht Explosionsgefahr. Nur mit einer vom Hersteller empfohlenen Batterie vom gleichen Typ ersetzen.
Verbrauchte Batterien beim Fachhändler oder einer Sammelstelle für Sonderstoffe abliefern.

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning má kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandøren.

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

4 ABBREVIATIONS

	INITIAL/LOGO	ABBREVIATIONS
A	A GND	Analogue GND
	A HASW	Audio Head Amp Switching Pulse
	A HSW	Audio Switching Pulse
	A MUTE	Audio Mute
	A ORP	Audio Overlap Pulse
	A. TR	Auto Tracking
	A0-8, 0-17	Memory Address
	A3V2	AD Converter Reference Voltage
	AB0-4	Address Bus
	AB0-4, AB12-15	Address Bus Line 0-4, 12-15
	ABSF	Focus Encoder Input
	ACI	Analogue Channel Cording IC
	AD	AD Converter
	AD	Auto Date, Analogue Digital Converter
	AD CLK	AD Clock
	AD REC	Audio Delayed REC
	AD0-6	Address
	AD0-6, ADR0-6	Address Data Line
	ADCLK	Analogue Digital Converter Clock
	ADCNT	Analogue Digital Control
	ADCS	Analogue Digital Chip Select
	A-DET	Audio Detect
	ADREC	Audio Delaied Rec
	ADUB	Audio Dubbing
	AE	Auto Expose
	AECNT	Auto Expose Control
	AEE(H)	Audio E-E (H)
	AEH	Audio Erase Head
	AEIRQ	Auto Expose Interrupt Request
	AF/MF	Auto Focus/Manual Focus
	AF DIS CS	AF DIS Chip Select
	A-FADE(L)	Audio Fade (L)
	AF-AMP	AF HALL Bias
	AFCS	Auto Focus Chip Select
	AFRP	Audio PLL Voltage Control
	AF-VN	Zoom Encoder V-Ref (–)
	AF-VP	Zoom Encoder VREF (+)
	AGC	Automatic Gain Control
	AGCCNT	Automatic Gain Control Control
	AGND	Analogue Ground/Audio Ground
	AGS	Anti Ground Shooting
	AH(P) / (R)	Audio Head (Play) / (Record)
	AHASW	Audio Head Amp Switch Pulse
	AHSW	Audio Head Switch Pulse
	AI, AO	Buffer Input, Output
	AIBCK	Bit Clock (to A/D Converter)
	AIDAT	Serial Data (to A/D Converter)
	AILRCK	L/R Clock (to A/D Converter)
	AIMCK	Master Clock (to A/D Converter)
	ALC CNT	Auto Level Control Control
	ALC MAIN	Auto Level Control Drive
	ALE	Address Latch Enable
	A-LOCK	Full Auto Switch
	A-MUT(H)	Audio Mute (H)
	ANLPTH	Analogue Loop Through High
	AORP	Audio Overlap Pulse
	APCNT	Aperture Control
	APS	Auto Power Save
	ART VH	Artifical Vertical Sync
	AT CNT	Automatic Tracking Gain Adjust
	ATF	Automatic Track Finding
	ATFCLK	41.85MHz Clock
	ATFG	Auto Track Gain
	ATL	Auto Lock Select
	ATN	Absolute Track Number
	ATR OFF(H)	Auto Tracking Off (H)
	ATV	Advanced TV
	AUDIO(N)	Audio (Normal)
	AUX	Auxiliary
	AVDD	Analogue VDD
	AVSS	Analogue Ground
	AWTB	Auto White Balance B-Y
	AWTR	Auto White Balance R-Y
B	BACK	Back-up
	BACK UP	Microcomputer Back-up
	BACK VDD	Back-up Power
	BATT	Battery
	BATT ALARM	Battery Alarm
	BATT REF	Reference Voltage for Battery
	BCB	B Carrier Balance
	BCBM(B-Y)	B-Y Carrier Balance
	BCBM(R-Y)	R-Y Carrier Balance
	BD0-7	REC/Play In/Out Buss
	BDCK	Standard Bus Data Clock (9MHz)
	BDEN	Standard Bus Data Enable
	BEND	Data Block End Request
	BF	Burst Flag Pulse
	BFA	Burst Flag Pulse for Encorder
	BFO/BFI	Burst Flug Input/Output
	BI, BO	Buffer Input, Output
	BL	Back Light
	BL ON	Back Light ON (L)
	BL4V	Back Light 4V
	BLC 0, 1	Back Light Y Control Out, In
	BLDI/O	Back Light Drive Input/Output
	BLK	Blanking Pulse
	BLKA	Blanking for Encorder
	BLKA	Blanking Pulse for Encorder
	BLKI/O	Blanking Pulse In/Out

	INITIAL/LOGO	ABBREVIATIONS
	BLKZ	Blanking Pulse for Zoom Encorder
	BM	Balance Modulator
	BQUIET	Bus Out Control Signal
	BUF IN/OUT	Buffer In/Out
	B-Y KB	B-Y Carrier Balance
	B-YO	B-Y Signal Out
C	C A In/Out	Pre-Aperture In/Out
	CAPSTP	Capstan Stop Flag
	C CNT	Colour Control
	C SYNC	Composite Sync Signal
	C/N	Carrier/Noise
	C0-7, C00-07	Chrominance Signal 0-7
	CAGAIN	Aperture Gain Control
	CAM	Camera
	CAM CLK	Camera Clock
	CAM RST	Camera Reset
	CAM SIOC	Camera Serial In/Out Contol
	CAM T	Camera Test
	CAM TL	Capstan Trque Limit
	CAP EC	Capstan Trque Control
	CAP P(H)	Capstan Power On (H)
	CAP R/F/S	Capstan Reverse (H)/Stop (M)/Forward (L)
	CAP SW	Capstan Power Control Switch
	CAPSTP H	Capstan Stop Flag (Stop High)
	CAPVM	Capstan Motor Current
	CAPVS	Capstan Motor Power Control Switch
	CAS	Compresion, Audio Process, Shuffling/Deshuffling
	CAS	Memory Address Strobe (Active Low)
	CASDOWN, DWN	Cassette Down (L)
	CB, CR	Chroma B, Chroma R
	CBLK	Composite Blanking Pulse
	CC	Channel Cording
	CCA	Curent Drive Control
	CCA	Current Control Amp
	CCD	Charge Coupled Devise
	CCW	Counterclockwise
	CD SP0-7	Digital Chroma
	CDS	Correlate Double Sampling Signal
	CDS1, 2	Sampling Pulse for CCD Output Signal
	CE	Chip Enable
	CE	Control Pulse Erase
	CEC	Capstan Error Code
	C-ERA(H)	Control Erase (H)
	CFEM	Chrominance Memory Signal
	CFM	Chrominance Field Memory
	CFM1-4	Chroma Field Memory Signal
	CG CLK	Character Generator Clock
	CG CLK DATA	Clock Generator Data
	CG DATA	Character Generator Data
	CGC	Chrominance Gain Control
	CGCS	Character Generator Chip Select
	CGO	Character Generator Serial Data
	CH	Charge

	INITIAL/LOGO	ABBREVIATIONS
	CH1	Channel 1 (Odd Field)
	CHR	Character
	CHR BACK	Character Back-up
	CHR MIX	Character Mix
	CI, CO	Buffer In/Out
	CI,CO	Buffer Input & Output
	CIF	Control Signal Forward Input
	CIF, CIR	Positive Control Pulse, Negative Control Pulse
	CIR	Control Signal Reverse Input
	CK	Clock
	CL/CLK	Clock
	CLASS	Classeffication Signal for Compress (DCT/VLC)
	CLASS 0.1	Class Control Signal Durring DCT/VLC
	CLK135	13.5MHz System Clock
	CLK18	18MHz System Clock
	CLK2	Clock 2 (824XFH: 12.875MHz)
	CLK246	24.576MHz Clock
	CLK27	27MHz System Clock
	CLK450	450KHz Clock
	CLKDCLK	Digital Clock
	CLK-PH	Clock Phase Control
	CLK-REF	Reference Clock
	CLP-RST-H	Clamp Reset High Signal
	CLX	TFT X-axis Transmission Clock
	CLX, CLX1-4	Shift Clock for X Direction (LCD Panel)
	CLY	Shift Clock for Y Direction (LCD Panel)
	CLY	TFT Y-axis Transmission Clock
	CLY FG	Cylinder FG Signal
	CMEMO0-3	Chroma Memory Output Signal 0-3
	CMIX	Character Mix
	CMO	Chrominance Memory Output
	COMPC	Position Detection Pulse
	COM RDY	Serial Enable Signal
	CMODE	Camera Mode
	CNCLK	Clock
	CNR	Chrominance Noise Reduction
	CNT, CONT	Control
	CO	Control Out
	CO0-7	Chrominance Output 0 to 7 (Digital)
	COM	Common
	COM RDY	Serial Transmission Enable
	COMB	Comb Filter
	COS EQ	Cosin Equalizer
	CP	Clamp Pulse
	CP ON(H)	Camera Power On(H)
	CP2, 20	Clamp Pulse
	CP2A, CP2O	Encoder Clamp Pulse
	CPN	Component Signal
	CPOB	Clamp Pulse for Optical Blanking
	CPS	Composite Signal
	CPV	Gate Scan Clock
	CR OUT	Pre Apature Out
	CR POW SW	Camera Remote Power On Switch
	CRA	Aperture Gain Control

INITIAL/LOGO		ABBREVIATIONS
	CRA	Pre Apature Gain Control
	CRST	Camera Reset
	CS	Chip Select
	CS 0-7	Chrominance Signal Out 0-7
	CSEL	Clock Phase Select
	CSI 0-7	Chrominance Signal In 0-7
	CTSW	Crosstalk Switch
	CURR	Current
	CW	Clockwise
	CYL EC	Cylinder Motor Trque Control
	CYL PG	Cylinder Motor PG
	CYL VM	Cylinder Motor Current or Power
D	D CLK	Digital Clock
	D MODE	Digital Mode Switch Signal
	D01-03	Zoom 01-03
	DA UV SEL	D/A Convertor U/V Select
	DAC	Digital Analogue Converter
	DAG	Digital Analogue Ground
	DB0-7	Data 0-7
	DB0-7	Microprocessor Data
	DCC	DC Clamp Control
	DCCNT	DC Control
	DCI	Digital Channel Cording IC
	DCLR	Digital Clear
	DCP	Digital Clamp Pulse
	DCS-CLK, DA	CAS & DV I/F Serial Clock
	DC-STP1	DCS Serial Start
	DC-STP2	DCS Serial Stop
	DCT	Discrete Cosine Transform (Compression)
	DCX7	Serial Data
	DEDP 0-3	Playback Data
	DEDR 0-3	Rec Data
	DEMO	Demodulation
	DEMP	A/D Convertor Empahsis Control
	DEMP	De-Emphasis
	DFD 0-7	Encode Data In/Out Between Shaffling Memory
	DFD0-7	Encode Input/Output Signal for Shuffling Memory
	DIBDCK	Bit Clock
	DICLK	Digital Clock
	DIDAT	Serial Data
	DIDAT	Serial Data Durring Digital Audio In
	DIF	Digital Interface
	DILRCK	L/R Clock
	DILRCK	Serial Clock Durring Digital Audio In
	DIMCK	Master Clock
	DIMCK	Mater Clock Durring Digital Audio In
	DIO 1-8	Data In/Out
	DIOS	Data In/Out Select Control Signal
	DIOS	Select Signal for Digital In/Out
	DIS	Digital Image Stabilizer
	DIS R/B	Digital Image Stabilizer Read (H)/Busy (L)
	DIS R/B	DIS IC Rady/Busy
	DIS/KAND	Digital Image Stabilizer/Sensitivity

INITIAL/LOGO		ABBREVIATIONS
	DISCS	Dis Chip Select
	DISP	Display
	DL	Delay Line
	DOBCK	Audio A/D Convertor Bit Clock
	DOCTL	Data Output Control Signal
	DODAT	Serial Data (to D/A Converter)
	DOLRCK	Audio A/D Converter LR Clock
	DOLRCK	L/R Clock (to D/A Converter)
	DOMCK	Audio A/D Converter Master Clock
	DOMCK	Master Clock (to D/A Converter)
	DQ 1-16	Memory Data
	DRAM CAS	D-RAM Colum Address Strobe
	DRAM OE	D-RAM Out Enable
	DRAM RAS	D-RAM Read Address Strobe
	DREC	AV Delayed REC Start Pulse
	DRK	Dark (LPF Switch for Auto Focus)
	DS1, 2	Double Sampling Pulse
	DSF 0-7	Data In/Out for Shaffling Memory
	DSF 0-7	Input/Output Data to Shuffling Memory (18MHz)
	DSP	Digital Signal Processor
	DSP R/B	DSP IC Rady/Busy
	DSP-48K-H	DSP IC Clock Select
	DSTB	Data Stobe Signal
	DSV	Digital Sum Variation
	DV	Digital Video
	DVB	Digital Video Broadcast
	DVC	Digital Video Cassette
	DVDD	Digital VDD
	DVIO	Digital Video Input Output
	DVSS	Digital Ground
	DX	Shift Data for X Direction (for LCD)
	DY	Shift Data for Y Direction (for LCD)
	DY	TFT Y-axis Shift Data
	DZ	Digital Zoom
E	E Snap	Electric Snap Shot
	E ZM	Electric Zoom
	E2 CS or E2P CS	EEPROM Chip Select
	E2 R/B	EEPROM Rady/Busy
	E2P	EEPROM
	EARP	Earphone
	EC	Torque Control
	ECC	Error Correction Cording
	ECM	Electric Condencer Mic
	ECR	Reference Voltage for Capstan Torque
	EDA	Error Correction, DCI, ATF Servo
	EE CS	EEPROM Chip Select
	EE R/B	EEPROM Read (H)/Busy (L)
	EEPROM	Electric Erasable Programable Read Only Memory
	EIS	Electric Image Stabilizer (DIS)
	EMP	A/D Convertor Emphasis Control
	ENAB	Enable
	ENV	Enverope
	EOB	End of Block

INITIAL/LOGO		ABBREVIATIONS
	EQ	Equalizer
	EVF	Electric View Finder
	EXT DC	External DC (AC Adaptor)
	EXT DC(H)	AC Adaptor DC (H)
	EXT NOREG	AC Adaptor 6V
	EXT S DATA	Serial Data for Edit
	EXT SCK	Serial Clock for Edit
	EZOOM	Electric Zoom
F		
	F ENC	Lens F-Value
	FACT MODE	Factry Mode (not used in the service)
	FB	Feed Back
	FC	Saw Tooth Signal In
	FCK	Clock
	FCO	Saw Tooth Signal Generator
	FENC	Focus Encoder
	FEND	Frame End Pulse
	FH2B	FH/2 (15.625KHz / 2=7.8125KHz)
	FIX OSD	Auto Tracking Off (H)
	FLICK	Flicker Output
	FM	Field Memory
	FM0-7	Field Memory 0-7
	FMCO0-3	Field Memory Chrominance Out 0-4
	FMDIR	Focus Motor Direction
	FMOEM	Field Memory Enable
	FMOEO	Field Memory Enable
	FMT1-4	Focus Motor Terminal 1-4
	FMY00-07	Field Memory Luminance Out 0-7
	FMYI0-07	Field Memory Luminance In 0-7
	FNO	F Value
	FPS	Frame Refference Signal
	FR	Capstan Reverse High
	FRP	Frame Refference Pulse
	FRPSO	Frame Start Pulse
G	G1, G2, G3	Gap 1, 2 and 3
	GCA	Gain Control AMP
	GCNT	Gain Control
	G-CNT	AGC Adjustment
	GCTRL	Gain Control
	GENE	Generator
	GF	FG AMP Terminal
	GSW	Ground for Switching Power
H	H/M/N	Hi-Fi / Mix / Normal
	H/N	Hi-Fi / Normal
	H1, 2	H. CCD Drive Pulse
	HAP	Horizontal Aperture
	HASW	Head AMP Switching Pulse
	HB	Hall Bias
	HBR SET	High Brightness Set
	HBRST	High Brightness Set
	HCLR	High Clear
	HCP	Shift Clock for Horizontal Drive
	HD	Horizontal Drive Pulse
	HDTV	High Definition TV
	HEX	Hexadecimal
	HG	Hall Gain
	HID	Head Switching Pulse
	HLT	High Bright Signal
	HALL IN(+), (–)	Input Signal from Hall IC
	HP	Headphone
	HPF	High Pass Filter
	HSE	Modulated Data Output
	HSP	Timing Pulse for Shaffling Memory
	HSS	Horizontal Sync Signal
	HSW	Head Switching Pulse
	HS-WT	High Speed Zoom
	HSZ	High Speed Zoom
I	I/F	Interface
	I-2 C	Inter Integrated Circuit
	ID(H)	Wide Television (H)
	IMP	Inter Microprocessor Protocol
	INF	CCD Input Signal 1
	INF	Input Frame Signal
	INS	CCD Input SIgnal 2
	INTER	Interval Recording
	INV	Inverter
	IOU	R-Y Analogue Signal Output
	IOV	B-Y Analogue Signal Output
	IOY	Y Analogue Signal Output
	IR	Infrared Rays
	IRDET	Imfrared Ray Detection
	IREF	Current Adjustment Terminal
	IRIS/SH	Iris / Shutter Control
	IRQ	Interrupt Request
	ITI	Insert & Track Information
J	JPEG	Joint Photographic Image Cording Experts Group
K	KANDO	Digital Gain Up
	KB	Carrier Balance
	KEY IN	Key Scan
	KND	Digital Gain Up
	KNEE	Luminance Compensate
L	LCD	Liquid Crystal Display
	LCD P(L)	LCD Power On (L)
	LD	Load Pulse
	LDD	Liquid Direct Drive
	LEDCNT	LED Control
	LI-BATT	Lithium Battery
	LOAD	Loading
	LOAD F, R	Loading Direction (F: Forward / R: Reverse)
	LPF	Low Pass Filter
	LRMONO	Monoral Audio (L + R)
	LSB	Least Significant Bit

INITIAL/LOGO		ABBREVIATIONS
	LVL	LPF Switch for Auto Focus
M	M1-3	Motor Coil Terminal 1 to 3
	MA0-5	Microprocessor Address Data 0-5
	Mbps	Megahertz Bit Per Second
	MD	Modulation
	MD0-7	Microprocessor Data 0-7
	MDT0-7	Microprocessor Data 0-7
	ME (TAPE)	Metal Evaporated (Tape)
	MENB	Focus Motor Enable
	MFF	Manual Focus Far
	MFN	Manual Focus Near
	MHSYNC	Monitor Horizontal Sync Signal
	MIC	Memory In Cassette
	MIG	Meta In Gap
	MIX N.R.D.	Non Rec Data Mix
	MOD	Modulation
	MOUT	Mic Out
	MP (TAPE)	Metal Particle (Tape)
	MPEG	Moving Picture Image Cording Experts Group
	MPEG2	Moving Picture Image Cording Experts Group Phase 2
	MRST	Focus Motor Reset
	MSB	Most Signal Bit
	MVSYNC	Monitor Vertical Sync Signal
N	N/F	Near/Far Focus
	N/P	NTSC/PAL
	NB1-3	Base for NPN Transistor
	NC	No Connection
	NC1-3	Corrector of NPN Transistor
	NCLR	Power On Reset
	NCP1	Clamp Pulse
	NCP2+VDH	Clamp Pulse + Horizontal Drive Pulse
	NCP2+VDM	Clamp Pulse + Gate Pulse
	NDE	Non Liner De-Emphasis
	NE	Emitor of NPN Transistor
	NLE	Non Liner Emphasis
	NR	Noise Reduction
	NRD	Non Rec Data
	NRD BLK	Non Rec Data Blanking
	NRD CLK	No Rec Data Clock
	NRE	Read Enable Input (Low Active)
	NWE	Write Enable (Low Active)
O	OB	Optical Black
	OBCNT	Optical Black Control
	OBREF	Reference Voltage for Optical Black Control
	OE	Output Enable
	OFH	Horizontal Counted Down Clock Signal (Reference)
	OFS	Offset
	OP	Operation AMP Output
	OSD	ON Screen Display
	OVL	Overlap Pulse
	OZ	Optical Zoom

INITIAL/LOGO		ABBREVIATIONS
P	P SW	Power Switch
	PB1-3	PNP Base 1-3
	PBCTL	Play Back Control
	PBCTL	Pre-Branking Control
	PBH	Head Amp Switch
	PBLK	Pre-Blanking (Pulse)
	PC1-3	Corrector of PNP Transistor
	PCBM	Carrier Balance
	PCH	Phase Compensator (Hall AMP)
	PCI	Phase Compensator (Current)
	PCO	Phase Compensator Out
	PCS	Switching Power Control
	PCV	Phase Compensator (Voltage)
	PE	Emitter of PNP Transistor
	PED	Pedestal
	PEDECNT	Pedestal Control
	PENO	Alarm (L)
	PFP	Pilot Frame Position
	PGA, B	Power Ground A, B
	PGC	Pulse Generator Comparator
	PGI	Pulse Generator Input
	PGMM	Pulse Generator Monostable Multivibrator
	PGO	Output of Pulse Generator AMP
	PMODE	Select Signal for Normal / Wide Screen
	PON	Power On
	POR	Power On Reset
	POSCOM	Common Position
	PREAMP	Pre-AMP
	PREBLK	Pre-Blanking
	PT	Protect for V Voltage
	PWM	Pulse Width Modulation
	PWMB	Pulse Width Modulation Pulse
Q	Q2H	Source Output Select
R	R CTL P	Recorded Control Pulse (+)
	R CTL R	Recorded Control Pulse (–)
	R/B	Read/Busy
	R/L	Direction Control for Data Transmition
	RA	Recording AMP
	RA1	Rec AMP 1
	RAC AC	Rec Audio Current
	RAD	Read Address Data
	RAE	Read Address Enable
	RB	Read Busy
	R-B	R Bias
	RCB	R Carrier Balance
	RE	Read Enable
	RE(F), (S)	Rotary Erase Head Transformer
	REB	R Bias
	REC CC	Rec Current Control
	REC CCNT	Rec Current Control
	RECCTRL	Recording Control Pulse
	RECI	Rec Amp Switch

INITIAL/LOGO		ABBREVIATIONS
	RENCF	Lens Control (Forward)
	RENCR	Lens Control (Reverse)
	RERASE	Rotary Erase Head
	RGBIV1-2	1V Inverted Signal 1-2
	RGO R/G OFF	Offset Voltage for AWT R
	RSF	Capstan Direction (Reverse / Stop / Forward)
	RST	Reset
	RSTB	R Strobe
	RSTPWD	Reset Power Down Input
	RSTR	Reset Read
	RSTW	Reset Write
	RT	Saw Tooth Terminal
	RVCO	Resister for Oscillation
	RW	Read Write
	RWAE	Read Write Enable
S	S PHOT	Supply Photo Transistor
	S/H	Sampling Hold
	S/S	Start/Stop
	SBD	Serial Data
	SBI	Serial Data Input
	SBO	Serial Data Output
	SBT	Serial Clock
	SCAN0-5	Key Scan 0-5
	SCK	Serial Clock
	SCR	Search
	SCR, S.C.R.	Still Cue Review
	SEG.	Segment
	SET	White Balance Set
	SH/IRIS	Shutter/Iris Control
	SHIFT	Capasitor for Phase Shift
	SI	Serial Data Input
	SIC	Shift In Clock Input
	SIOC	Serial In/Out Control
	SMCE	Shaffling Memory Chip Enable
	SMRS	Shaffling Memory Read Strobe
	SMWE	Shaffling Memory Write Enable
	SMWS	Shaffling Memory Read Strobe
	SNAP	Snap Shot
	SNS LED	Sensor LED
	SO	Serial Data Output
	SPA	ATF Smapling Pulse
	SPEN	8 Bit Shift Register Enable
	SPK	Speaker
	SPO	Reset for Switcing Power
	SPST	8 Bit Shift Register Strobe
	SREELP	Supply Reel Pulse
	SRT	Start
	SSA	Start Sync block Area
	SSW	Select Signal for Low Pass Filter
	ST5V	Safety Tab 5V
	STAB	Safety Tab Switch
	STB	Stand by Signal
	STB	Strobe

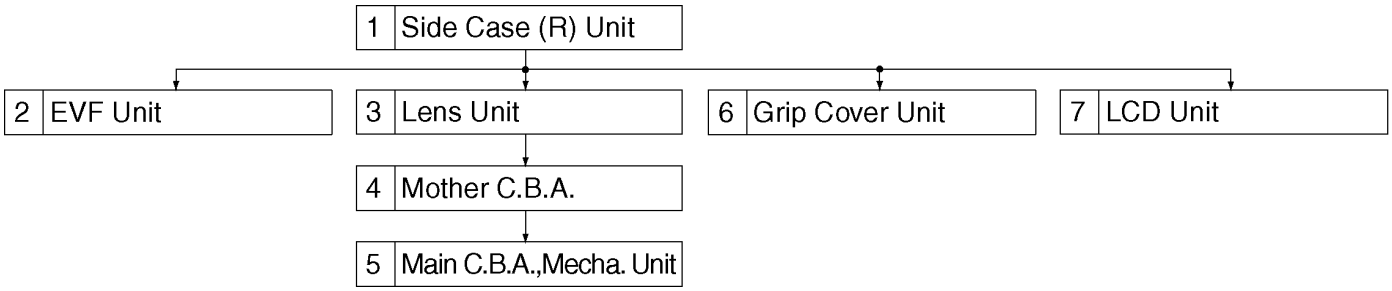
INITIAL/LOGO		ABBREVIATIONS
	SWB	Switching Pre-Drive Pulse
	SYL EC	Cylinder Torque Control
	SYL FG	Cylinder FG
T	T PHOT	Take-up Photo Transistor
	TBC	Time Base Conntrol
	TFT	Thim Film Transistor
	TH	Thermostat for Battery
	TI	Test Mode Select
	TL	Torque Limit
	TM	Sub Code
	TMD	Sub Code Data
	TRE	Tracking Error Signal
	TREEL(P)	Take-up Reel (Pulse)
	TRFIX	Tracking Fix
	TRIWAVE	Tracking Wave
	TRP	Tracking Position
	TRP	Trap
	TSR	Head Switching Refference
	TST	Time Scale Transfer
U	U/V SEL	R-Y/B-Y Select Signal
	UNLOAD	Un-Loading
	UNRE	Microprocessor Read Enable
	UNWE	Microprocessor Write Enable
	UV	R-Y/B-Y
	UV SEL	R-Y/B-Y Select Signal
V	V1-V4	V. CCD Drive Pulse
	VB	VH Filter Switching
	VCE	Power Terminal
	VCNTL	Video Control
	VCO	Voltage Control Oscillator
	VCP	Shift Clock Output for Vertical Drive
	VCTLD	Video Control
	VCTRL	Voltage Charge Control
	VD	Vertical Drive Pulse
	VDDX	X Drive Power for Colour LCD
	VDDXY	XY Drive Power for Colour LCD
	VDDY	Y Drive Power for Colour LCD
	VDREC	Video Delayed Rec
	Vgg	Voltage for Gate IC
	Vgl	Gate off Voltage
	VID	Video Signal Out
	VIN	Video In
	VITC	Vertical Interval Time Code
	VITERBI	One of Signal Detection Method
	VL	Low Voltage
	VLC	Variable Length Cording
	VLOCKP	Artificial Sync Pulse
	VLP	Artificial Sync Pulse
	VM	Motor Voltage
	VMD	Velocity Mode Data
	VMD1-3	Electric Shutter Mode

INITIAL/LOGO		ABBREVIATIONS	INITIAL/LOGO		ABBREVIATIONS
	VMODE	NTSC/PAL Select Switch			
	VMVH	VH Filter Switching			
	VORP	Video Overlap			
	VRB	Voltage Refference Bottom			
	VRBS	Voltage Refference Bottom Output			
	VREF1R3V	Refference Voltage 1.3V			
	VREF3R3V	Refference Voltage 3.3V			
	VREFH	Refference Voltage High Side			
	VREFL	Refference Voltage Low Side			
	VRI	Refference Voltage Input			
	VRO	Refference Voltage Output			
	VRT	Voltage Refference Top			
	VRTS	Voltage Refference Top Output			
	VS	Switching Comparator			
	VSS	Vertical Sync Signal			
	VSSX	X Driver Power for Colour LCD			
	VSSXY	X-Y Driver Power for Colour LCD			
W	W/N	Mode Select for Window Mode			
	W/N	Wide / Normal			
	WAD	Write Address Enable			
	WAE	Write Address Enable			
	WAERAE	Write Address Enable			
	WARI	Interrupt			
	WB	White Balance			
	WE	Write Enable			
	WEM	Memory Write Enable			
	WHD	Wide Horizontal Drive Pulse			
	WIDE A	Wide Zoom			
	WSB	B AGC Control			
	WSR	R AGC Control			
	WTV	Wide TV			
X	XP	FG Logic Reset			
Y	Y FM0-7	Y Field Memory 0-7			
	YCE	Cylinder Error Code			
	YGC	Y Gain Control			
	YMO 0-7	Y Field Memory 0-7			
	YNCST	Noize Canceller			
	YNR	Luminance Noise Reduction			
	YSDP 0-7	Digital Y Out 0-7			
Z	Z.ENC	Zoom Encoder			
	Z.MIC	Zoom Mic			
	ZENC	Zoom Encoder Output			
	ZMDIR	Zoom Drive			
	ZMEN	Zoom Enable			
	ZMT	Zoom Motor Tele Side			
	ZMT (+)/(–)	Zoom Motor (+)/(–)			
	ZMTER	Zoom Motor Tele Side			
	ZMW	Zoom Motor Wide Side			
	ZSW	Zoom Switch			

5 DISASSEMBLY PROCEDURES

5.1. DISASSEMBLE FLOW CHART

This flow chart indicates the disassembly steps the cabinet parts, C.B.A. and Mecha. Unit in order to access to be serviced. When reinstalling, perform the steps in the reverse order.



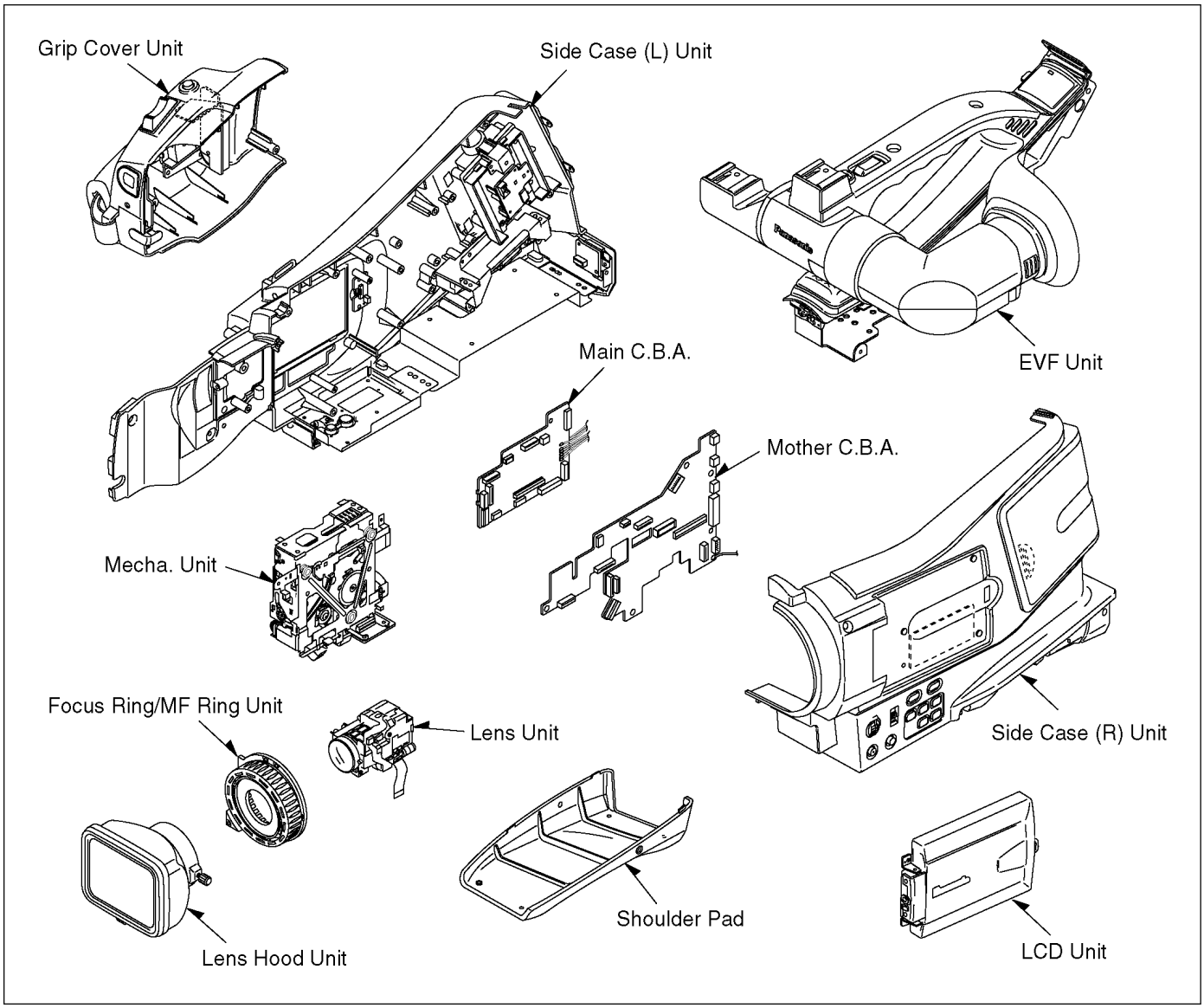


Fig. F1

5.2. DISASSEMBLY PROCEDURES

Flow-Chart for Disassembly Procedure

No.	Item/Part	Fig.	Removal (Screw, Connector, Flex. & Other)
1	Side Case (R) Unit	Fig. D1	8-Screws (A) Face Panel Shoulder Pad
		Fig. D2	3-Screws (B) 2-Screws (C) 4-Screws (D) 1-Screw (E) 2-Connectors FP6516/ P6701 Side Case (R) Unit
2	EVF Unit	Fig. D3	4-Screws (F) 4-Connectors FP6520/ P6514/ P6517/ PP6508
		Fig. D4	2-Screws (G) Mic Unit
		Fig. D5	2-Screws (H) 4-Screws (I) Handle Unit Shoe
		Fig. D6	2-Screws (J) Slide Cover EVF Unit
3	Lens Unit	Fig. D7	Lens Hood Unit 1-Screw (K) 4-Tabs ND Filter Case Unit
		Fig. D8	Focus Ring 3-Screws (L) 1-Screw (M) 2-Screws (N) Lens Case (R) Unit
		Fig. D9	2-Screws (O) 1-Screw (P) 3-Connectors FP6506/ FP6518/ PP201
		Fig. D10	2-Screws (Q) MF Ring Unit 2-Screws (R) Lens Frame 1-Connector FP291 Lens Unit
4	Mother C.B.A.	Fig. D11	4-Screws (S) 4-Dumper Rubbers 1-Screw (T) 16-Connectors FP6503/ FP6504 /FP6505/ FP6507/ FP6509/ FP6511/ FP6518/ FP6521/ P6510/ P6512/ P6513/ P6515/ P6517/ P6519/ P6520/ PP6501 Mother C.B.A.
5	Main C.B.A., Mecha. Unit	Fig. D12	2-Screws (U) Cassette Cover Unit 3-Screws (V) 1-Connector P6751 2-Screws (W) EVR Int C.B.A.
		Fig. D13	1-Screw (X) 4-Connectors FP2201/ FP2202/ FP2203/ FP5001 Main C.B.A. 3-Screws (Y) Mecha. Unit
6	Grip Cover Unit	Fig. D14	4-Screws (Z) Grip Cover Unit
7	LCD Unit	Fig. D15	2-Screws (a) 4-Screws (b) 1-Screw (c) 1-Screw (d) Hinge Earth Plate 1-Connector FP6702 LCD Unit

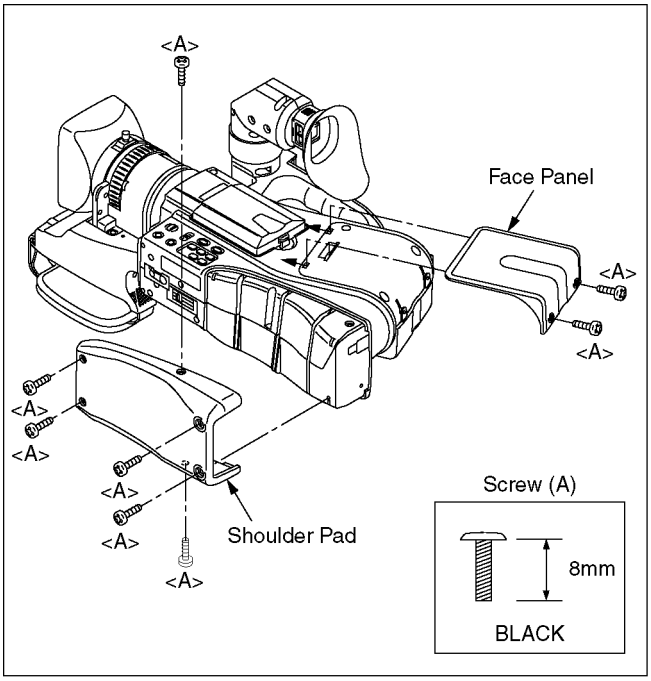


Fig. D1

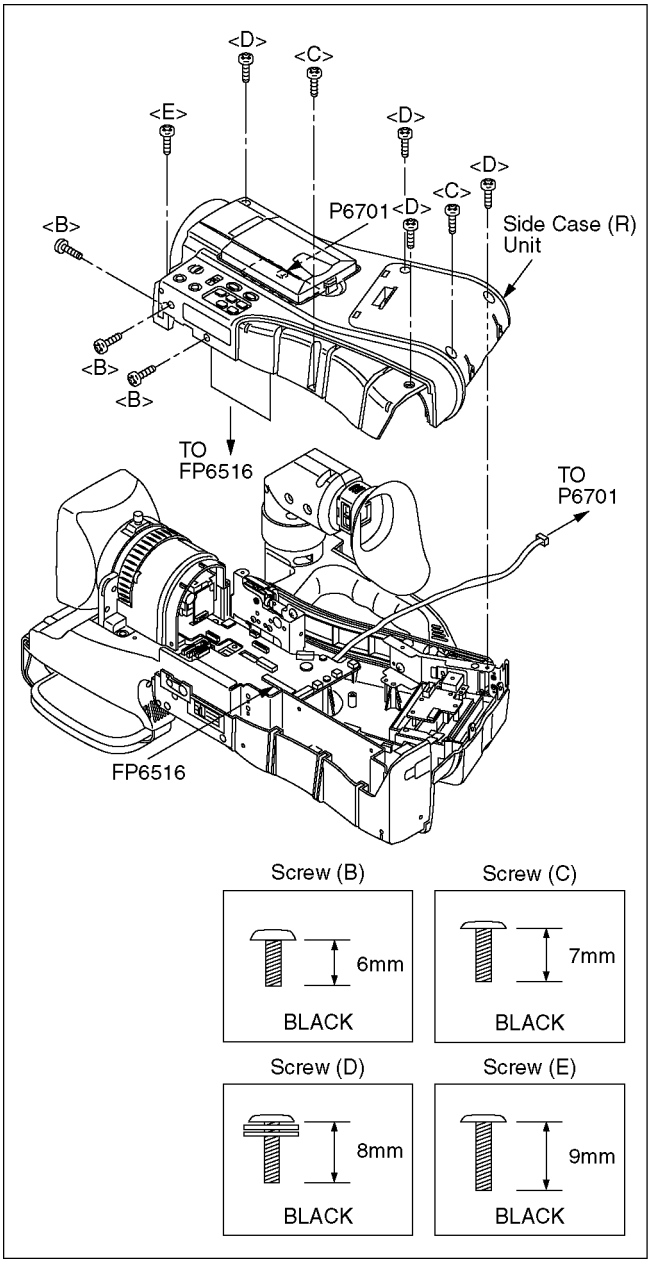

<D>
<C>
<E>
<D>
<D>
<C>
<D>
<B>
P6701
Side Case (R) Unit
<B>
<B>
TO FP6516
TO P6701
FP6516
Screw (B)
6mm
BLACK
Screw (C)
7mm
BLACK
Screw (D)
8mm
BLACK
Screw (E)
9mm
BLACK

Fig. D2

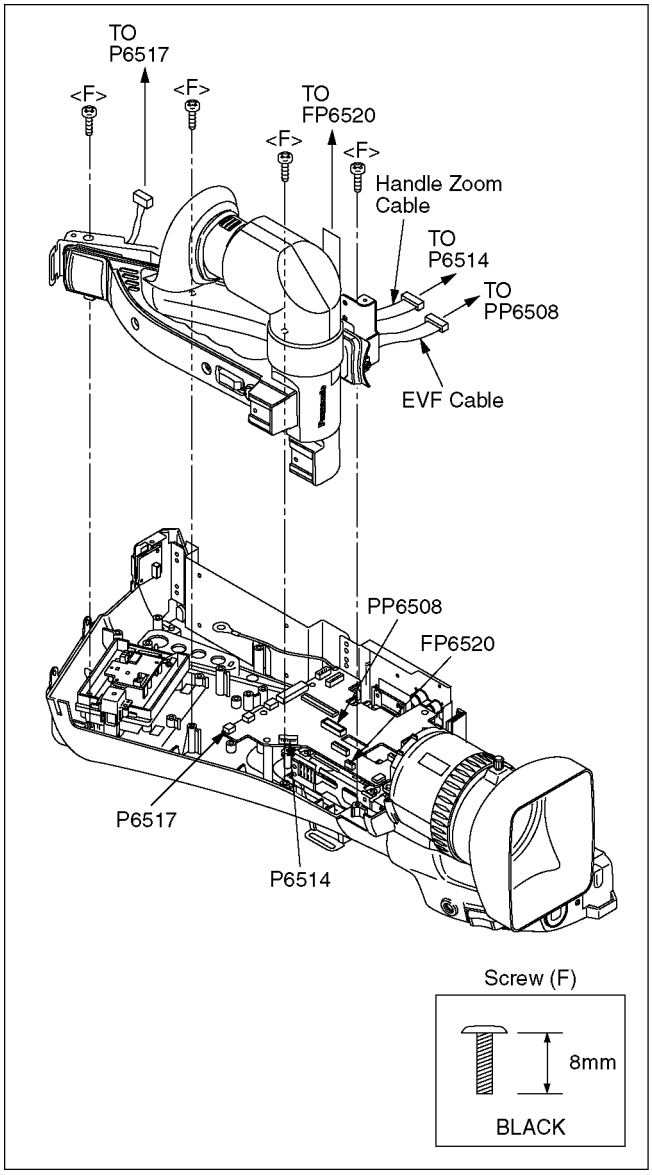

TO P6517
<F>
<F>
TO FP6520
<F>
<F>
Handle Zoom Cable
TO P6514
TO PP6508
EVF Cable
PP6508
FP6520
P6517
P6514
Screw (F)
8mm
BLACK

Fig. D3

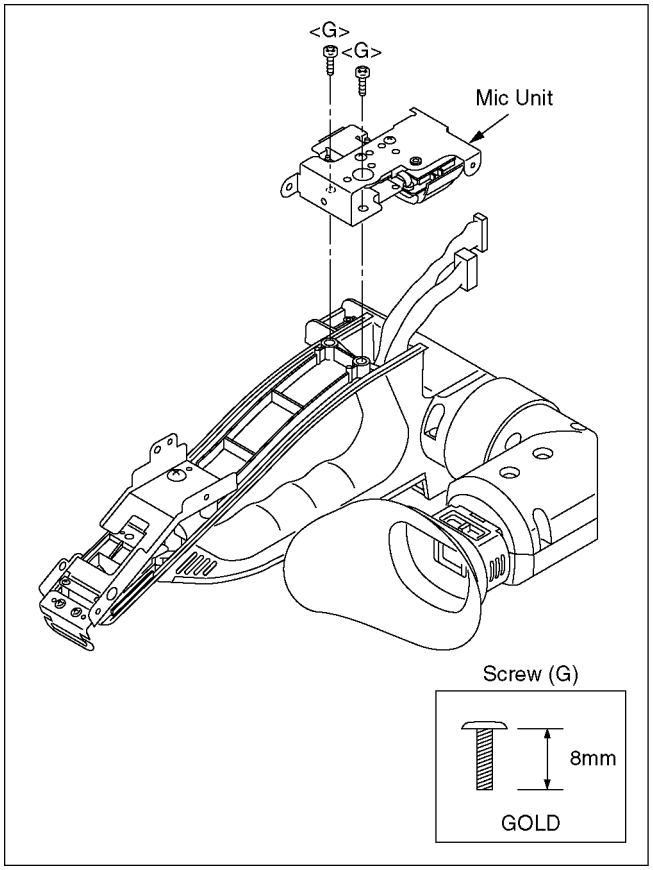


Fig. D4

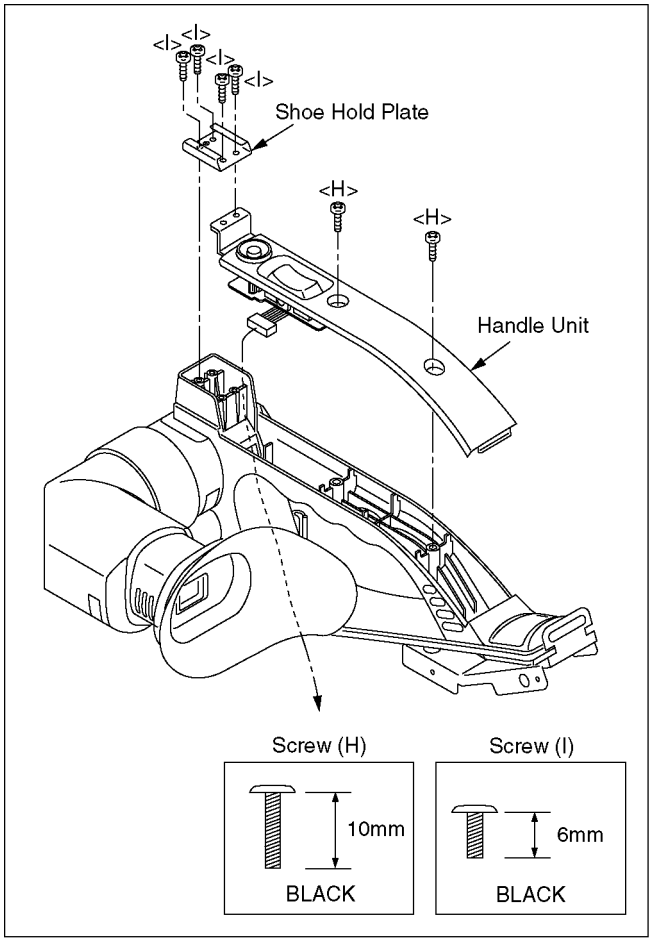


Fig. D5

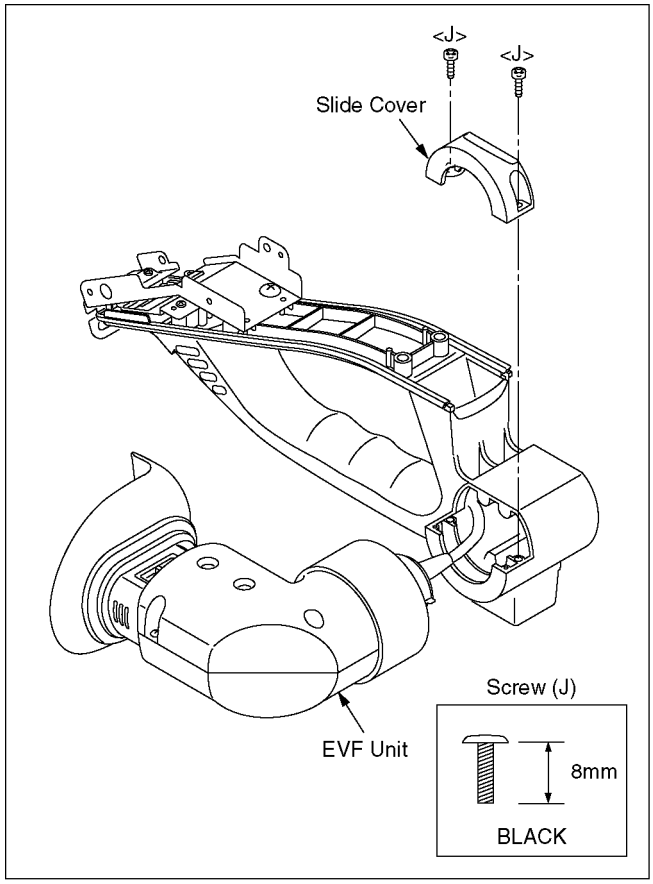


Fig. D6

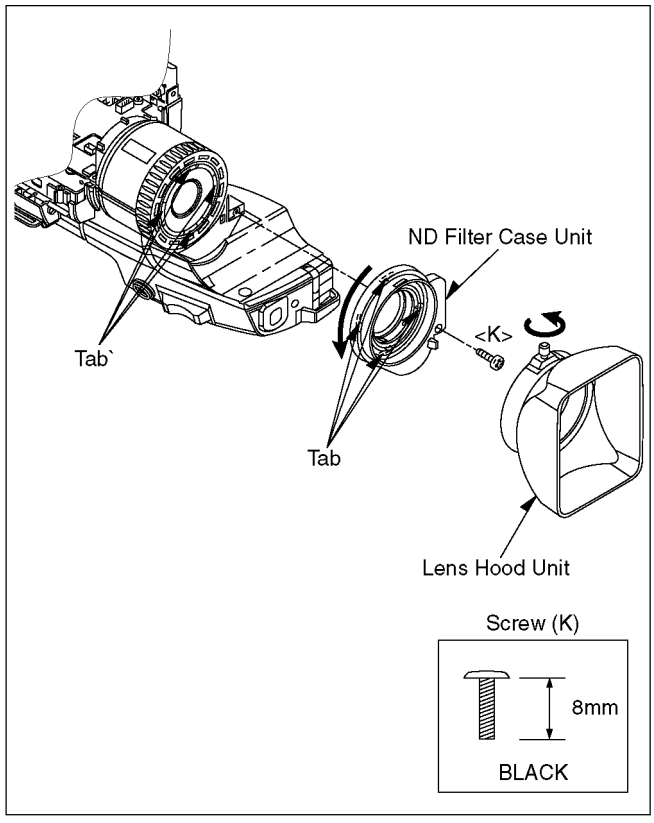


Fig. D7

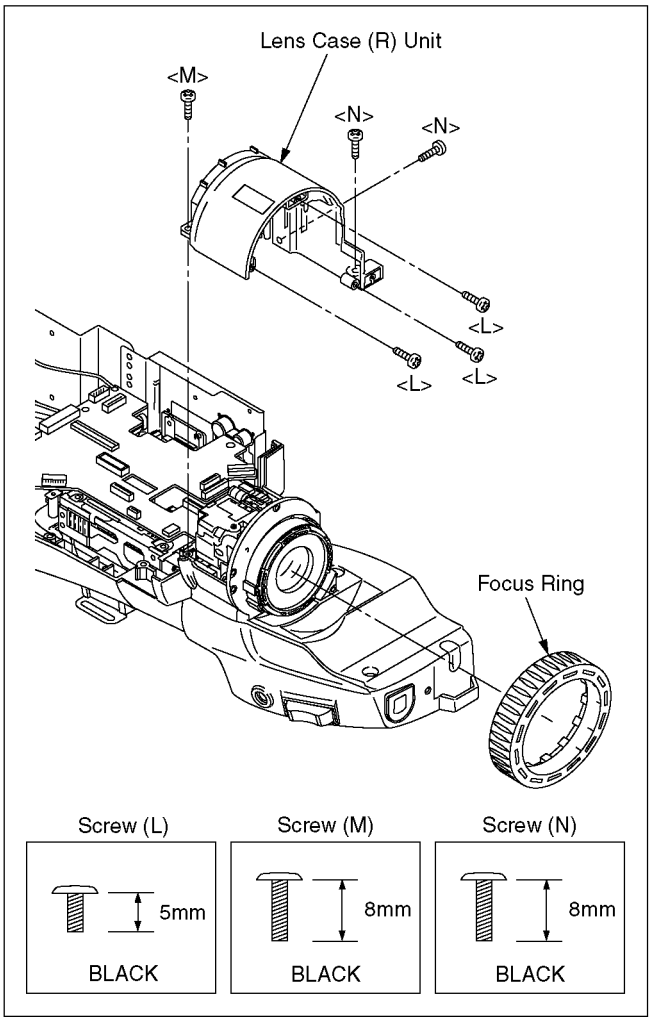


Fig. D8

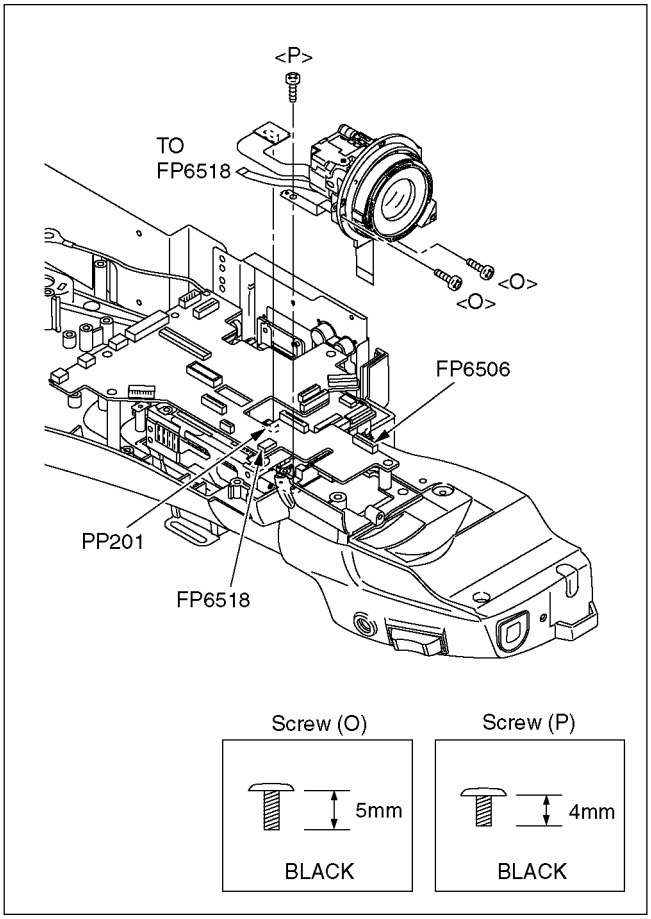


Fig. D9

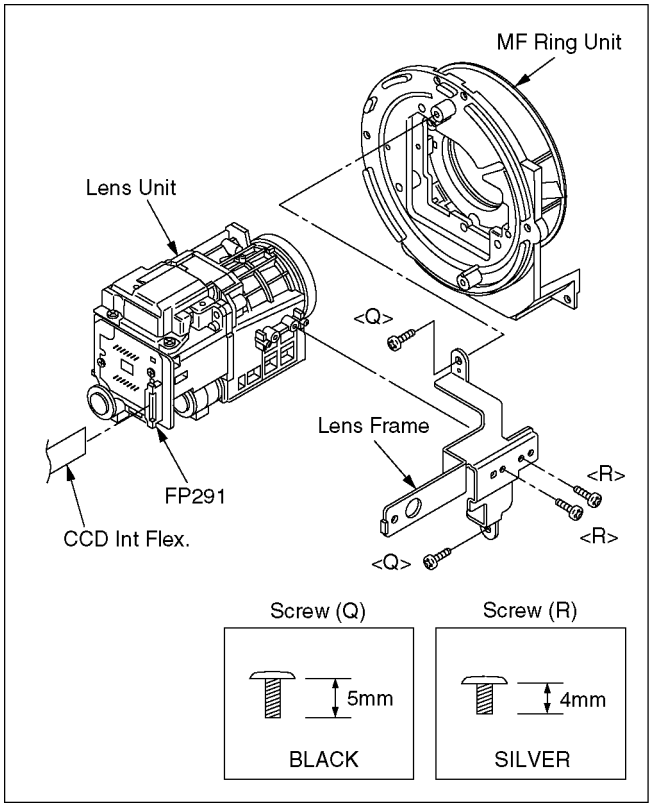


Fig. D10

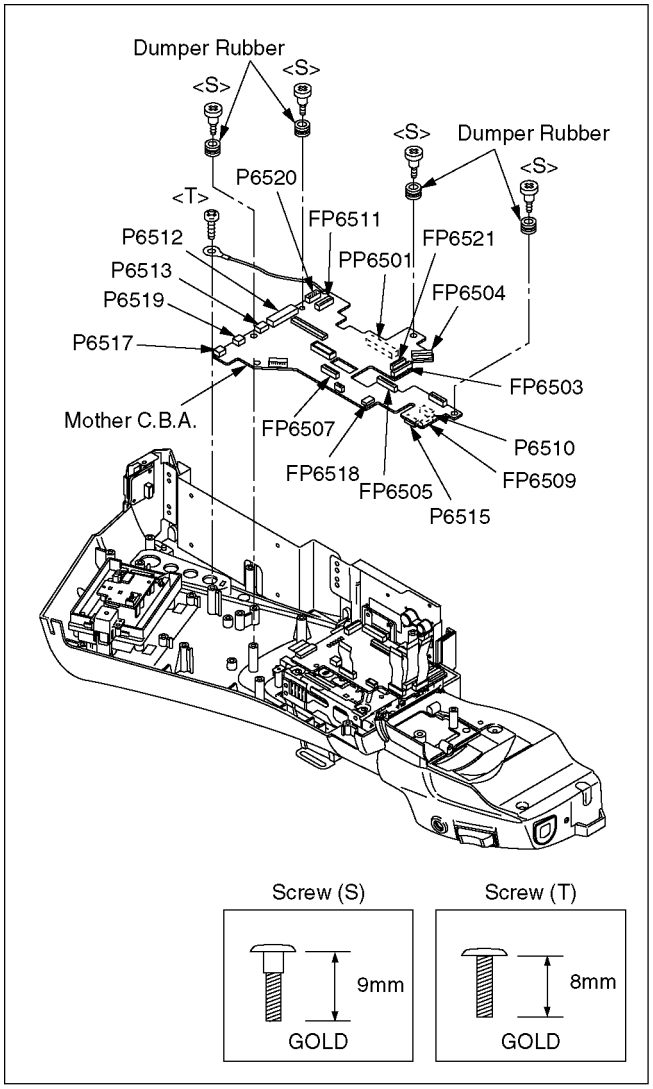


Fig. D11

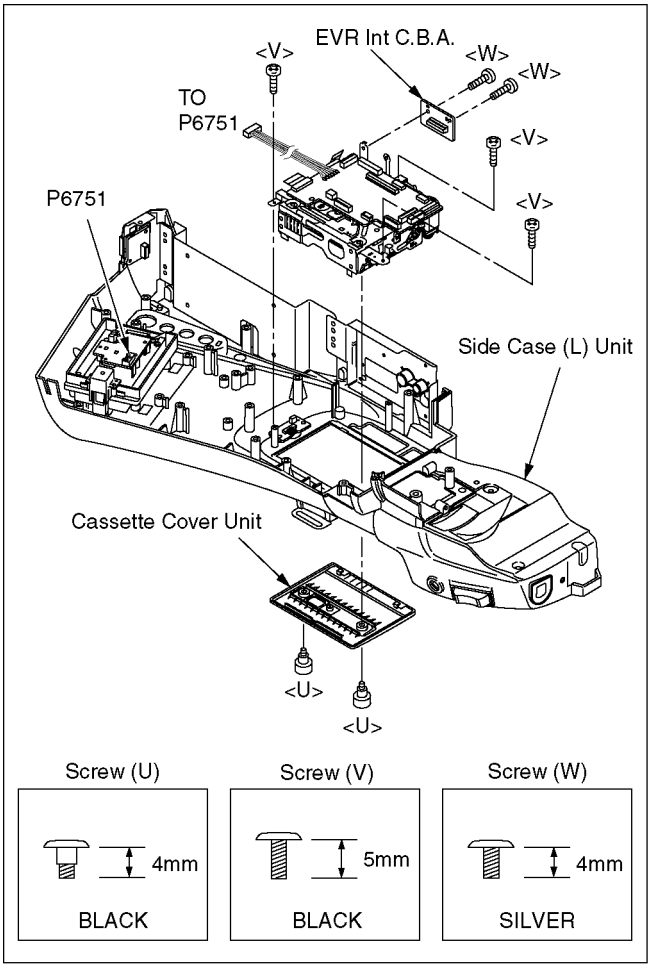


Fig. D12

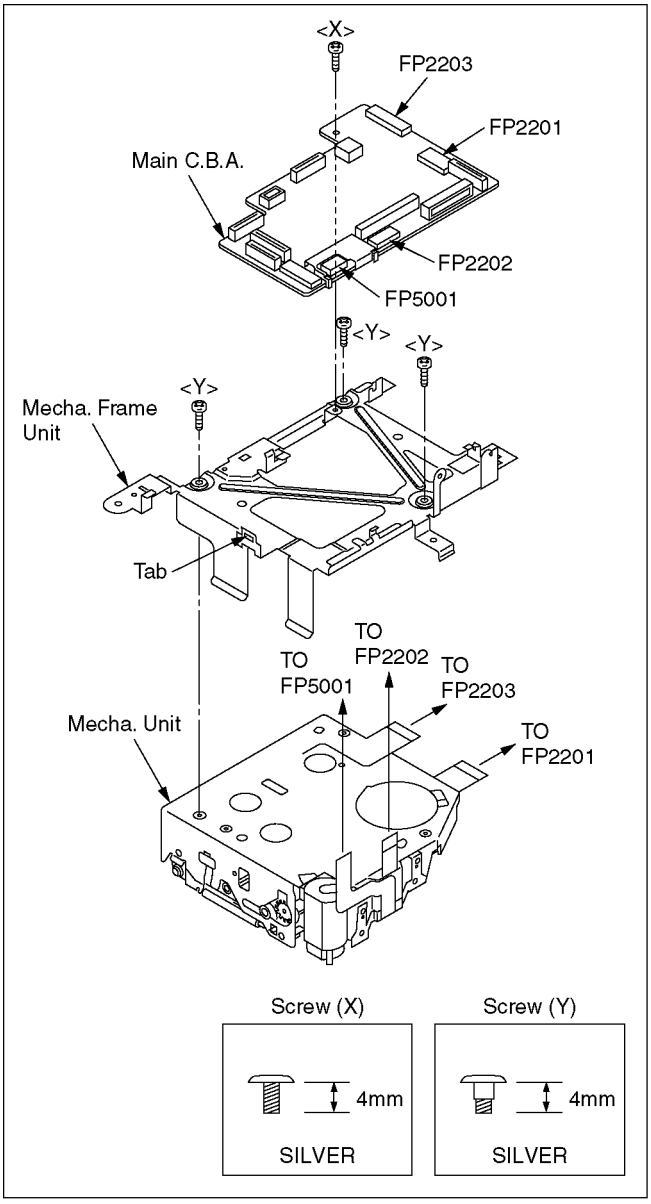


Fig. D13

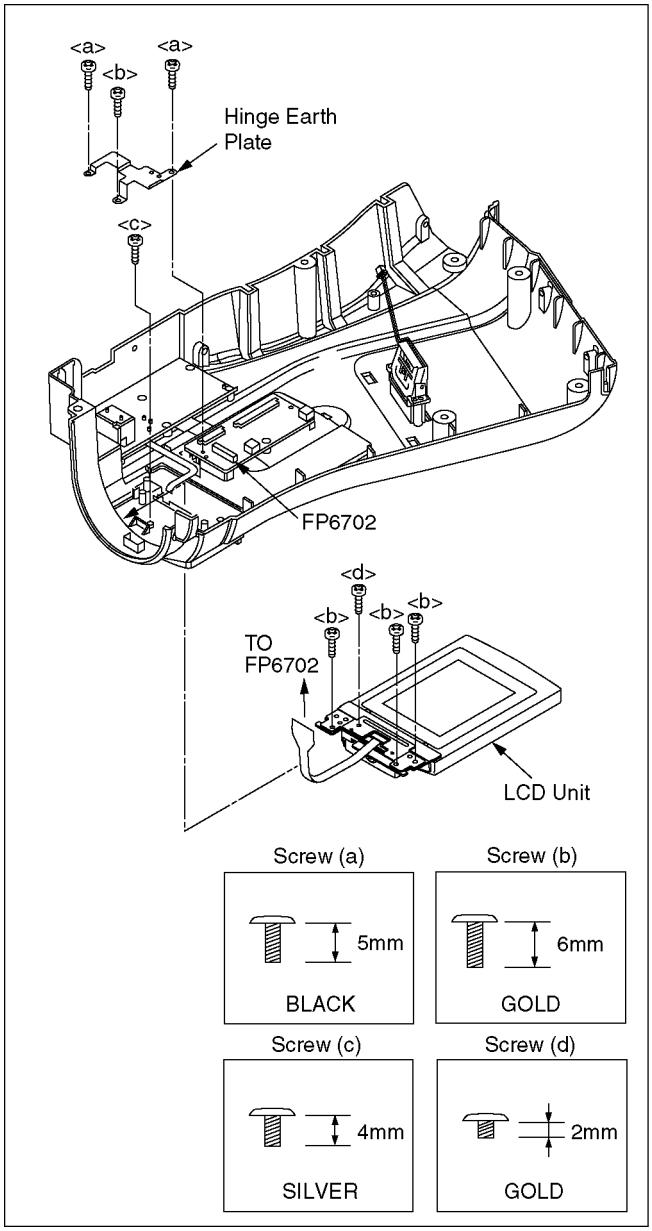


Fig. D15

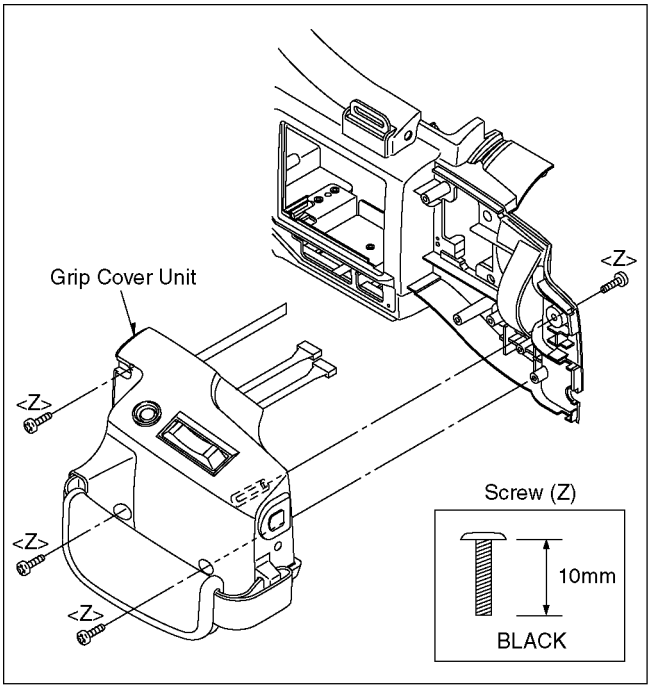


Fig. D14

5.3. DISASSEMBLY PROCEDURES OF CAMERA LENS UNIT

The following flowchart describes order or steps for removing the Camera lens unit and certain printed circuit boards in order to make access to the item needing service.

To reassemble the unit follow the steps in reverse order.

1. CCD Unit	Ref.No.302
2. CCD Cushion & Crystal Filter	Ref.No.303/301
3. Protect Sheet & Lever	Ref.No.314/313
4. F Fixation Frame & F Frame Unit	Ref.No.321/323
5. Zoom Motor Unit	Ref.No.305
6. Focus Motor Unit	Ref.No.306
7. Lens Flex. Unit	Ref.No.311
8. Master Flange & Iris Unit	Ref.No.310/309
9. 3rd Moving Frame Unit	Ref.No.320
10. 4th Moving Frame Unit	Ref.No.318
11. 2nd Moving Frame Unit	Ref.No.317
12. Guide Pole	Ref.No.315/316

Note 1:
Each Ref-numbers are equivalent to number of Fig.L2 and Parts List.

Fig. L1

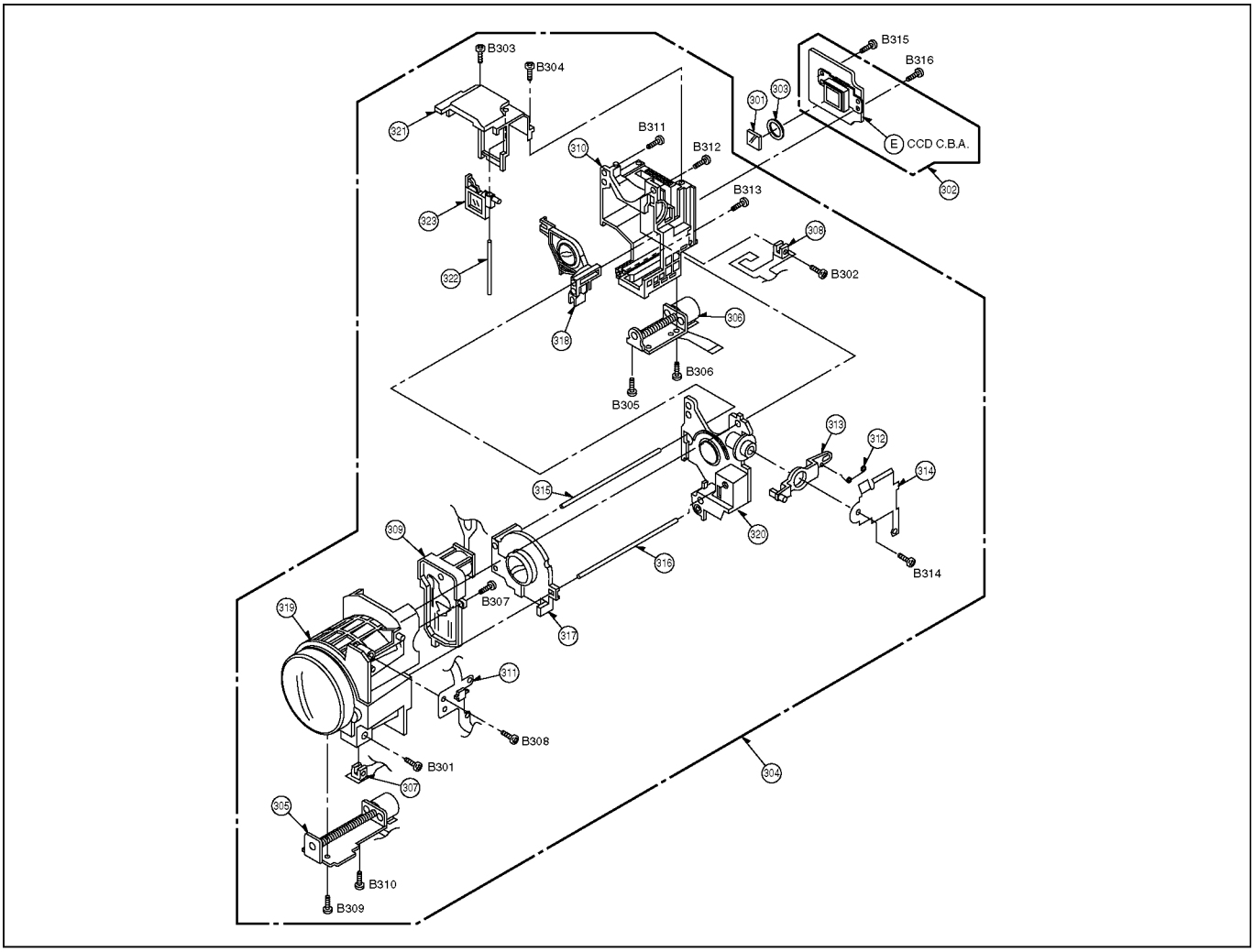


Fig. L2

6 ELECTRICAL ADJUSTMENT PROCEDURES

1. PREPARATION

To perform electrical adjustments completely, the following measuring equipment is required.

1-1. Measuring Equipment

Dual-Trace Oscilloscope		**Specification**
	Voltage Range	0.001 to 50V/Div.
	Frequency Range	DC to 100MHz
	Probes	10:1, 1:1
DVM (Digital Volt Meter)		
Frequency Counter		
	Frequency Range	0 to 150MHz

Fig.E1

1-2. Servicing Fixtures and Tools

Please refer to 4-1. In section 2.

Part No.	Part Name	Q'ty	Remarks
VFK1395	232C(M3)I/F Cable	1	
VFK1308P	Measuring Board	1	
VFK1309A	EVR Connector Board	1	
VFK1317	30 pin Flat Cable	2	
VJA0941	DC Output Cable	1	For AC Adaptor
VFK1164TAR43	Setup Ring	1	For Collimator
VFK1714	Connection Adaptor (30pin)	3	
VFK1763	Connection Adaptor (60-30pin)	1	

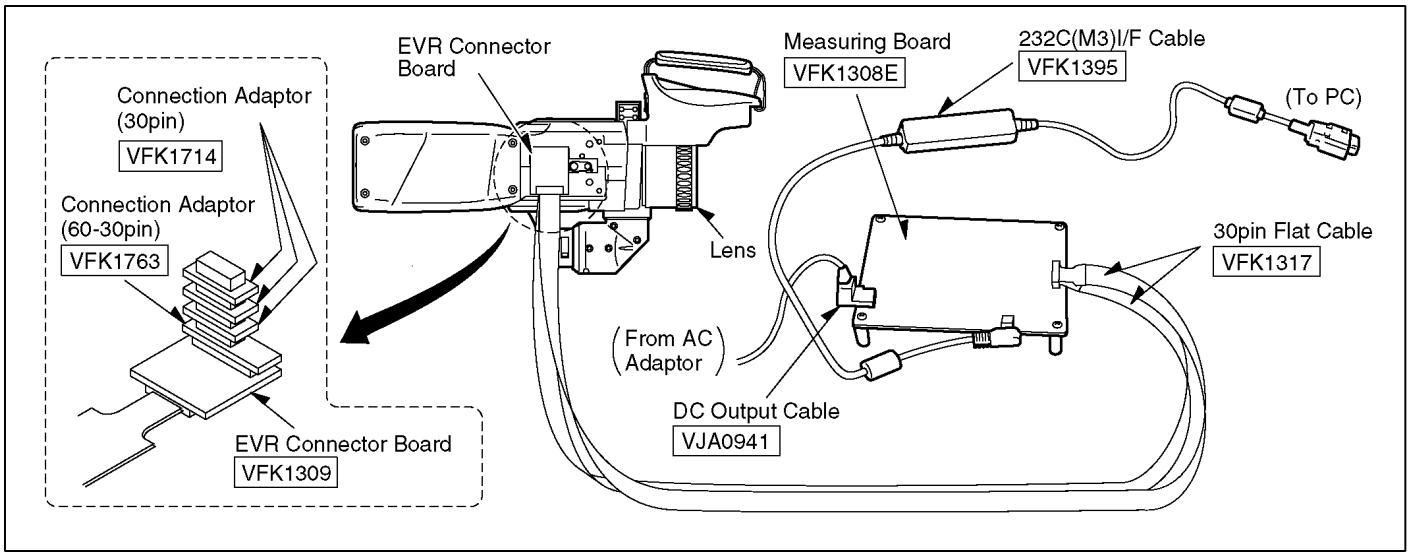


Fig.E2

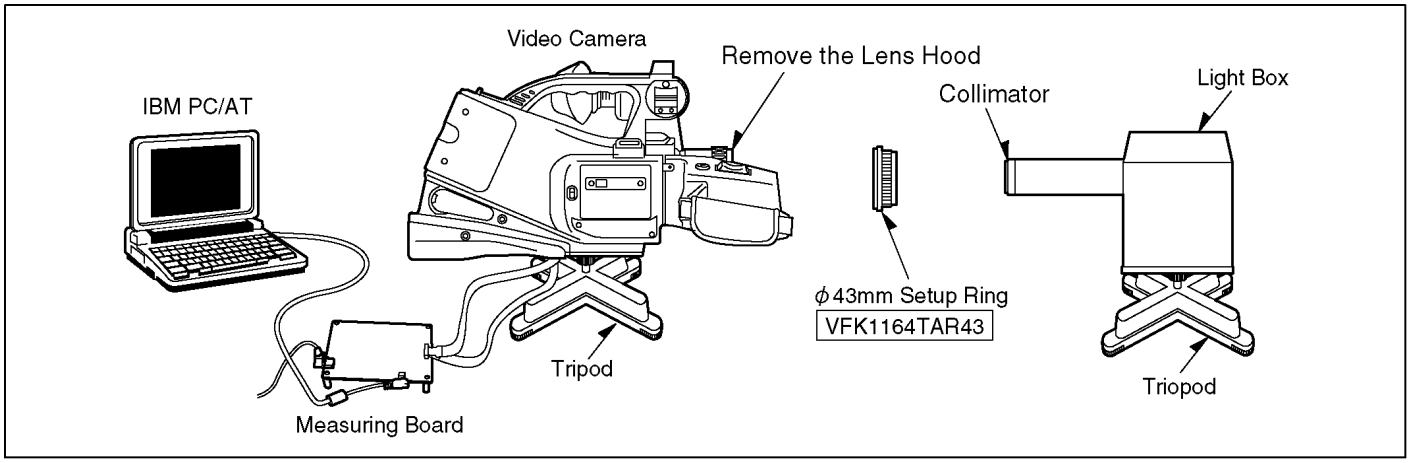


Fig.E3

1-3. Adjustment System

For performing the electrical adjustment, the following adjustment system is required.

The measuring board (VFK1308P) as shown in figure E2 has 2 types of RS-232C connectors 9pin D-sub connector and M3 RS-232C connector.

A) 9 Pin RS-232C D-sub Connector

If an ordinary 9-pin RS-232C cross cable is available, connect it between the measuring board and personal computer as shown in figure E2.

B) M3 RS-232C Connector

Also M3 RS-232C cable can be used instead of ordinary 9-pin RS-232C cross cable.

The part number of M3 RS-232C cable is VFK1395.

1-4. System Hook up Procedures

1. Unscrew 2 screws and remove the EVR cover.

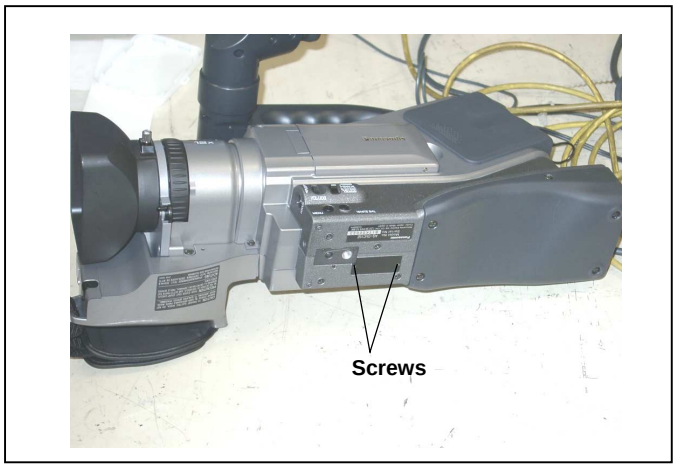


Fig.E3

2. Connect the 2 pcs. of 30 pin flat cables between P101/P102 on the Measuring Board, and 2 connectors on the Connector Board. Make sure that the contact surface of 2 pcs. of 30 pin Flat Cables are inner side and direction of the Connection Board is as shown in Figures E4. Then connect the Extension board.

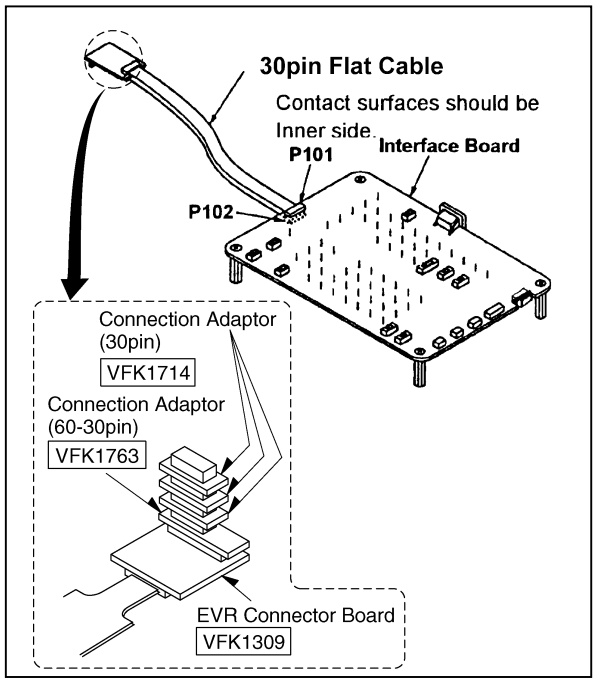


Fig.E4

3. Set the Connector Board with the 30 pin Cables to the unit as shown in Figure E5. Make sure that the direction of the Connection Board is correct as shown in Figure E5.

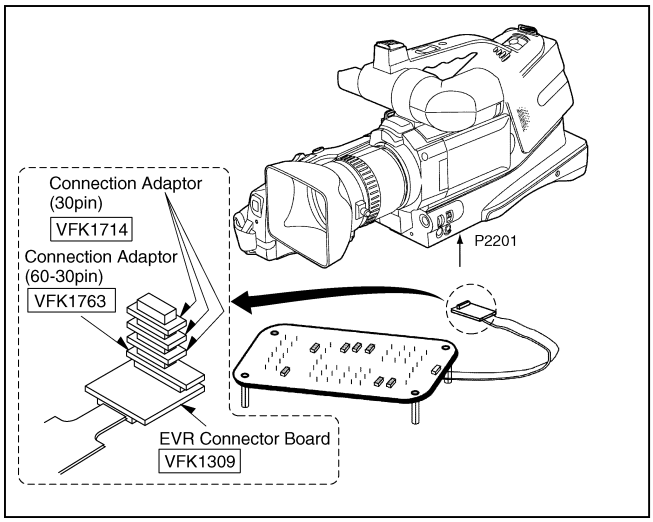


Fig.E5

4. Connect the AC adapter or set the Battery to the unit.
5. Connect a 9 pin RS-232C cable between the Measuring Board and RS-232C connector on Personal Computer as shown in Figure E2.
6. Supply DC6V to the Measuring Board (VFK1308P).
7. Unless otherwise specified on the message of the EVR software, set the switches on the Measuring Board as shown in the table below.

SW REF.	NAME OF SW	SETTING POSITION
SW101	RS-232 Select	It is depend on the type of the cable between the measuring board and PC. *Ordinary 9pin RS-232C Cross Cable: D-SUB Position *M4 RS-232C Cable: M3 Position
SW103	VTR Test	L Position
SW104	BST Test	NORMAL Position
SW106	REC I	OFF Position
SW107		CENTERT Position

Fig.E6

Using halogen lamps in the camera room.

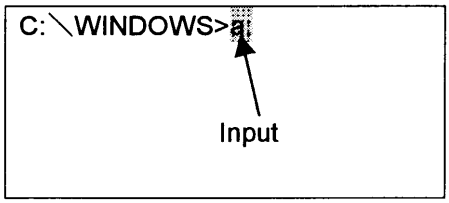
The camera adjustments should be performed under the following lighting condition.

Color Temperature :3100K°
Lumination :1400Lux

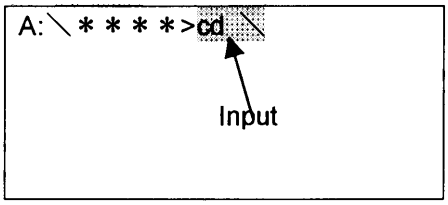
2. PC EVR (ADJUSTMENT) SOFTWARE

2-1. BOOT UP THE ADJUSTMENT SOFTWARE

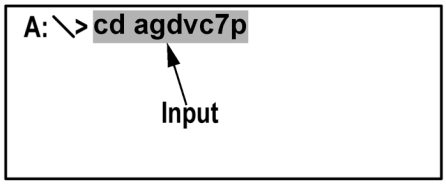
1. At the first, copy the EVR software from floppy disc (VFK1837) to the HDD in your Personal Computer (PC).
2. Power ON the PC.
3. Restart the PC in DOS mode.
4. Boot up the EVR program as the following steps.
   1) Type “a:” and then press the “ENTER” key.
      C:¥WINDOWS>a:



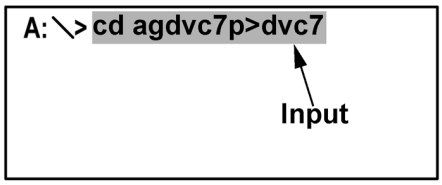
   2) Type “cd ＼” and then press the “ENTER” key.



   3) Type the “cd agdvc7p” and press the “ENTER” key.



   4) Type the “dvc7” and then press the “ENTER” key.



   5) Wait for a few seconds so that the EVR adjustment program is started.
   6) For the adjustments, follow the program display.

2-2. How to Use the Main Menu

Select a Sub Menu to check, adjust the unit and etc. by pressing ↑↓ (UP/DOWN) Key in Main Menu. Then press “ENTER” Key. the Sub Menu will be displayed.

Note: Menu (pages) 3,4 and 5 are needed for adjustment.
The menu (page) 5 is not available for AG-DVC7P because it has no LCD monitor.

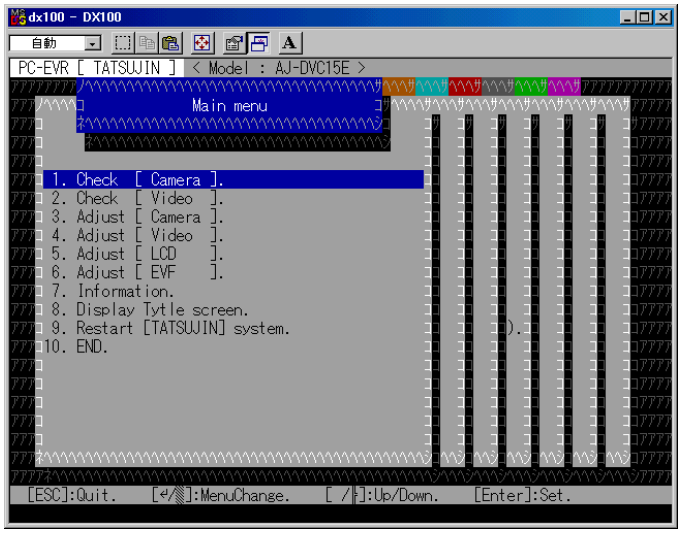


Fig.E7

With using ←→ keys, also the menu can be changed.

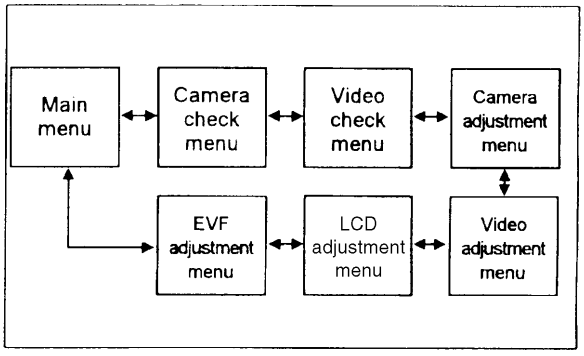
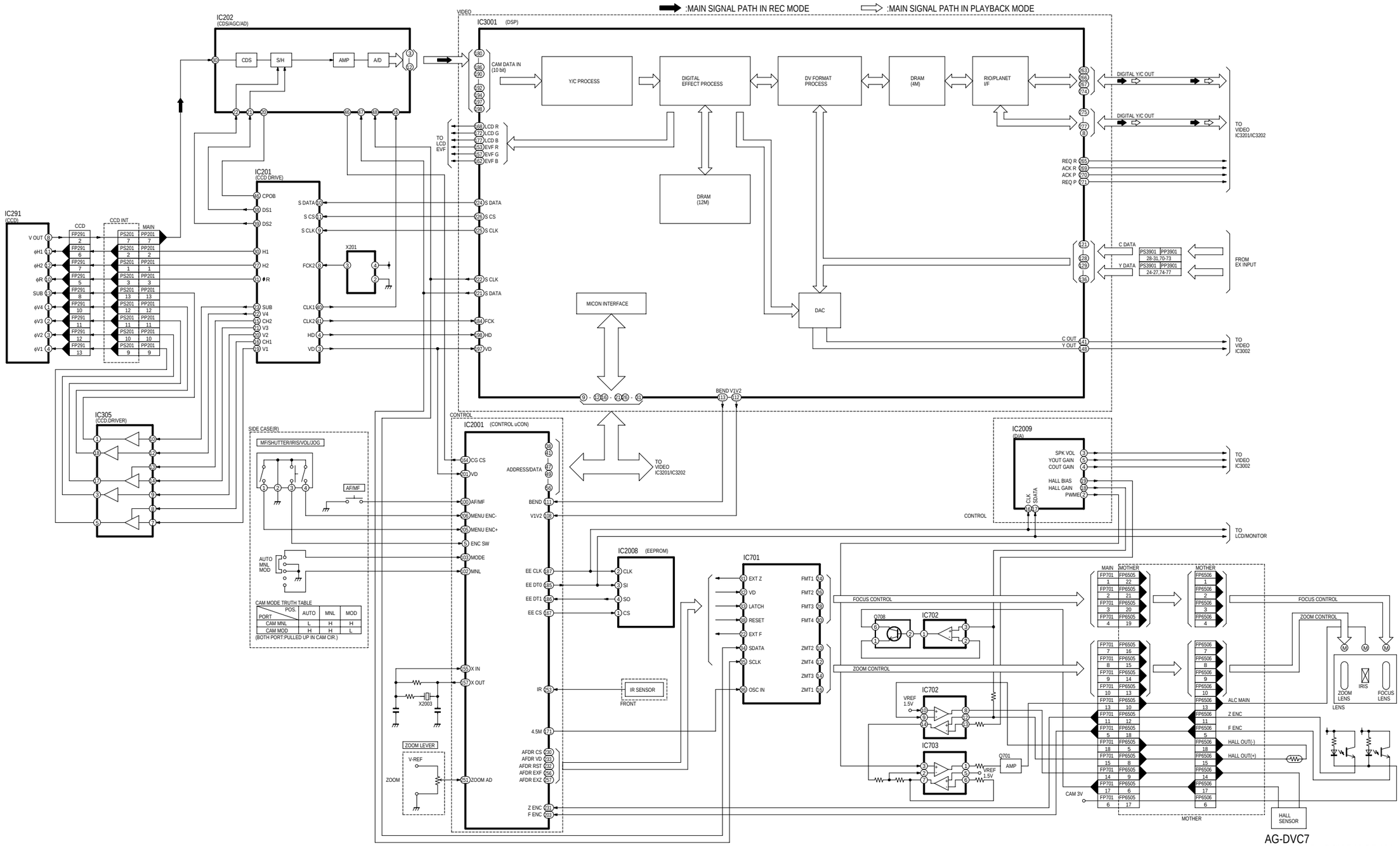


Fig.E8

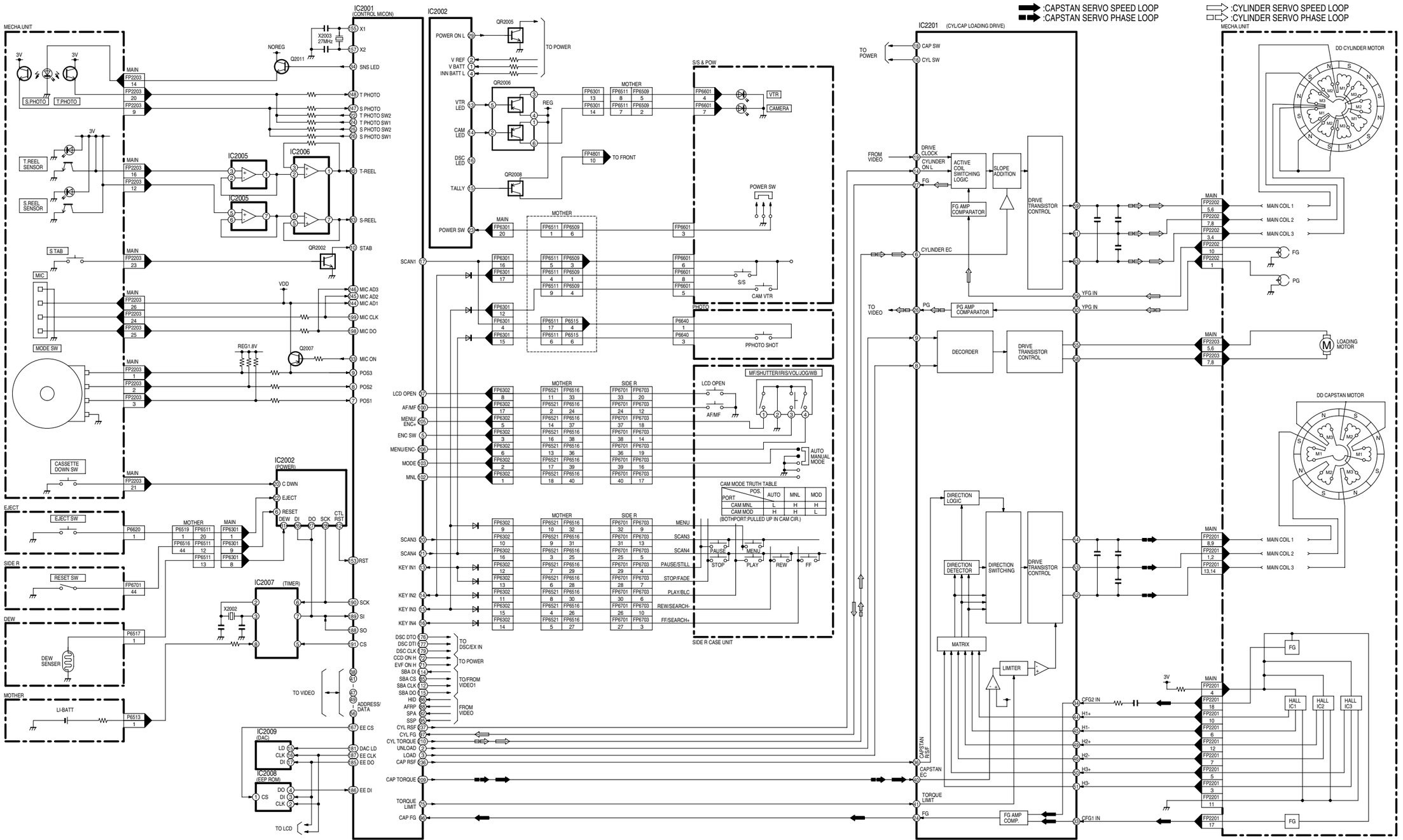
7 BLOCK DIAGRAMS

7.1. CAMERA BLOCK DIAGRAM



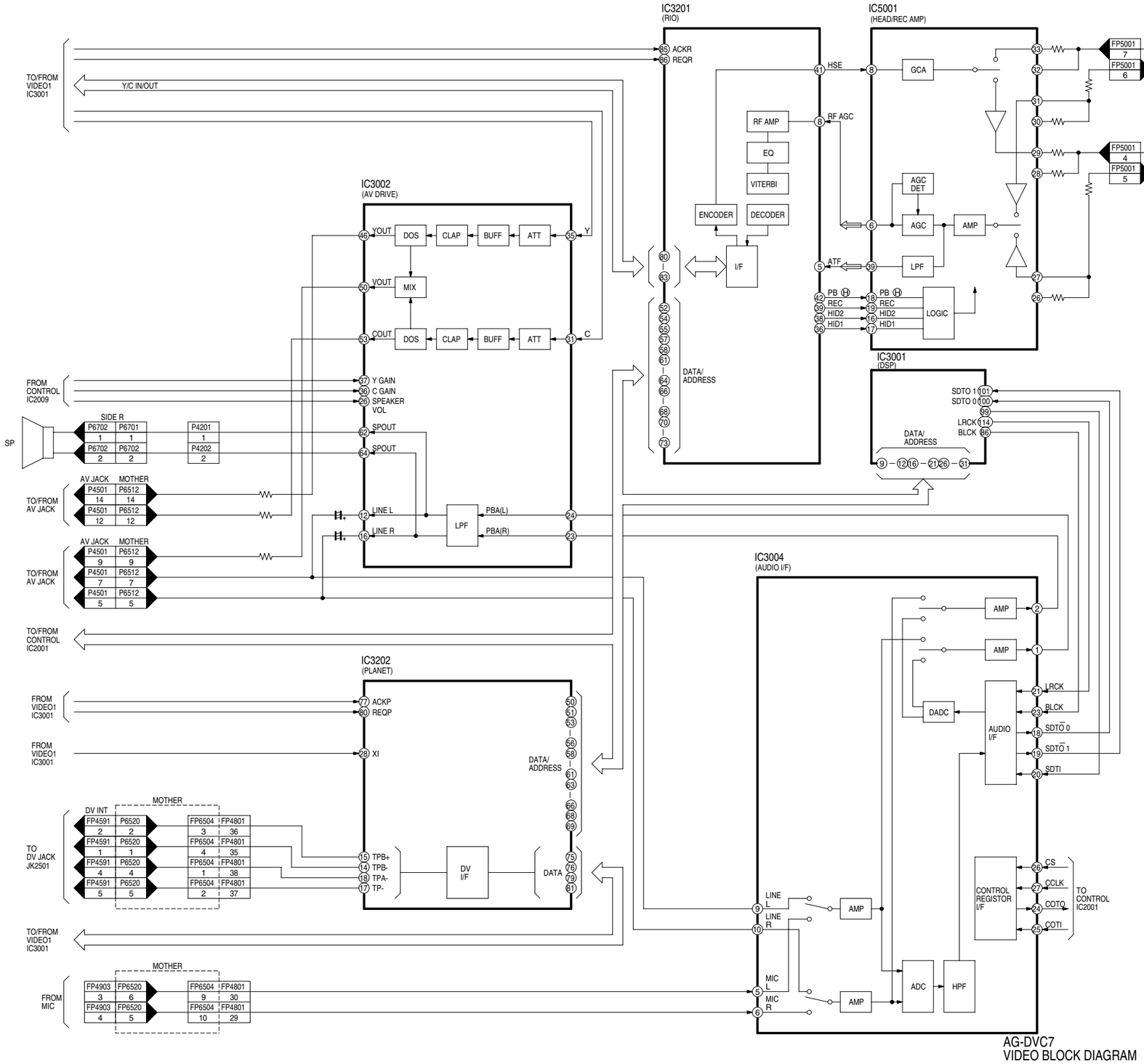
AG-DVC7
CAMERA BLOCK DIAGRAM

7.2. CONTROL BLOCK DIAGRAM



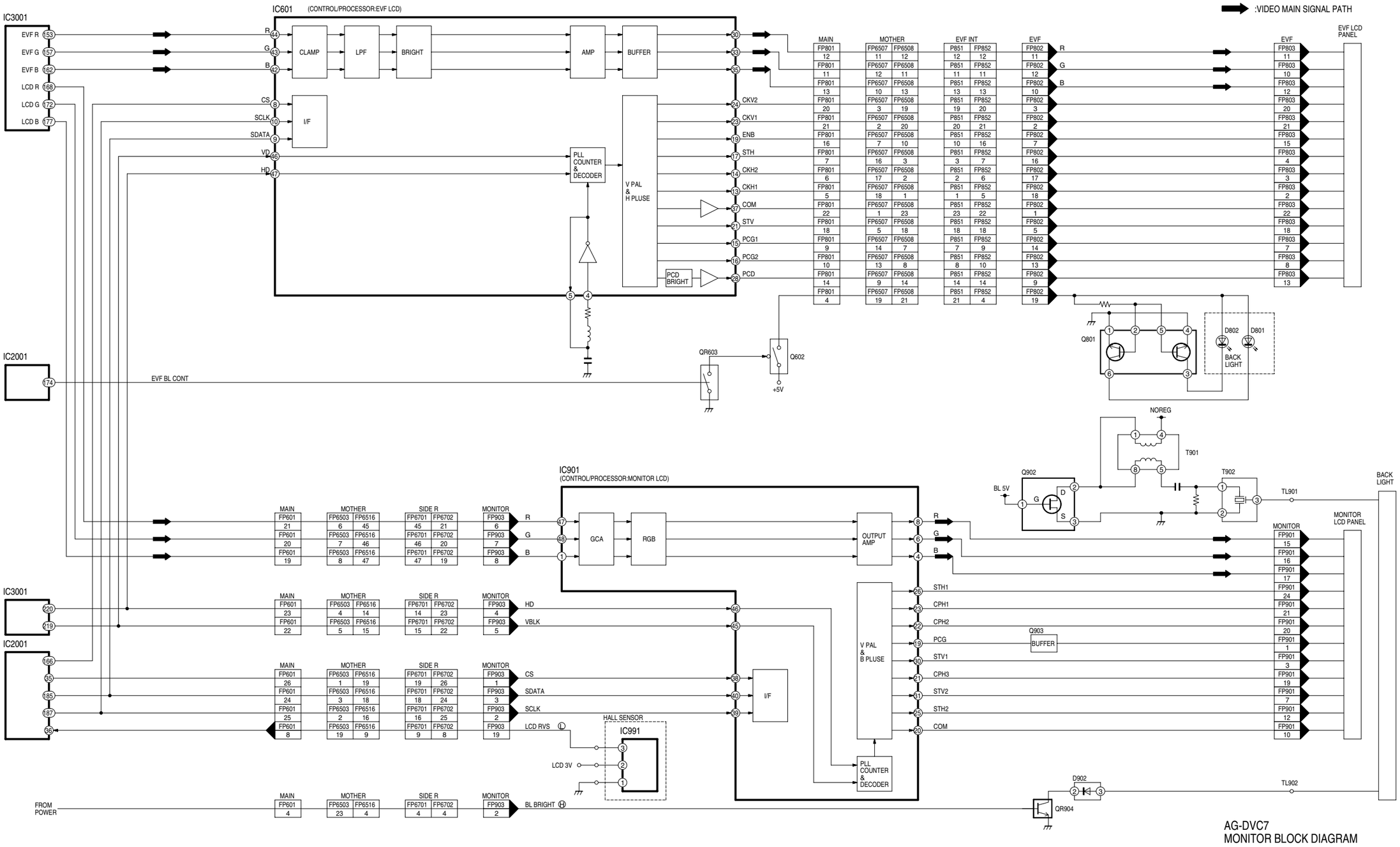
AG-DVC7
CONTROL BLOCK DIAGRAM

7.3. VIDEO BLOCK DIAGRAM



AG-DVC7
VIDEO BLOCK DIAGRAM

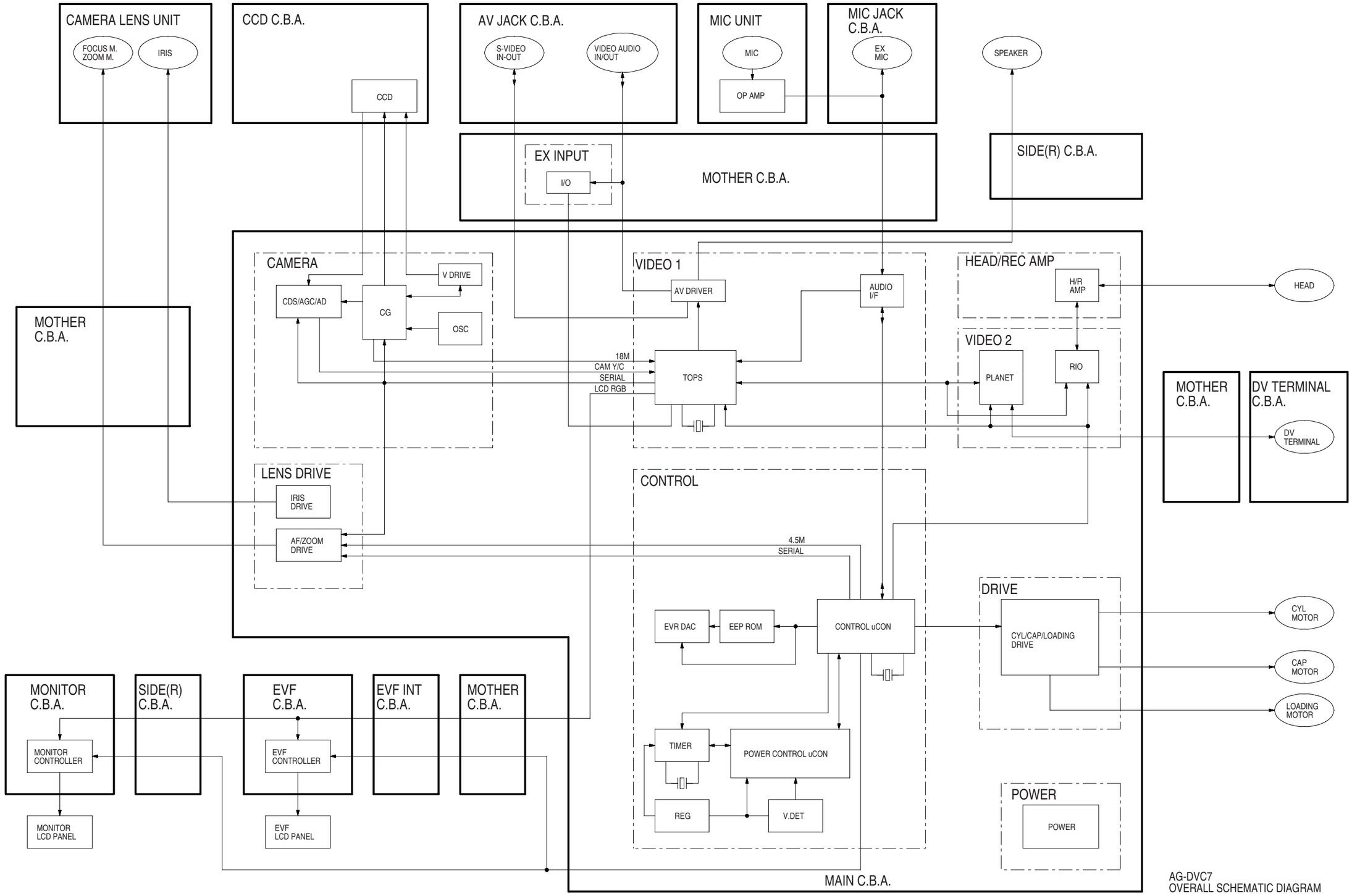
7.4. MONITOR BLOCK DIAGRAM



AG-DVC7
MONITOR BLOCK DIAGRAM

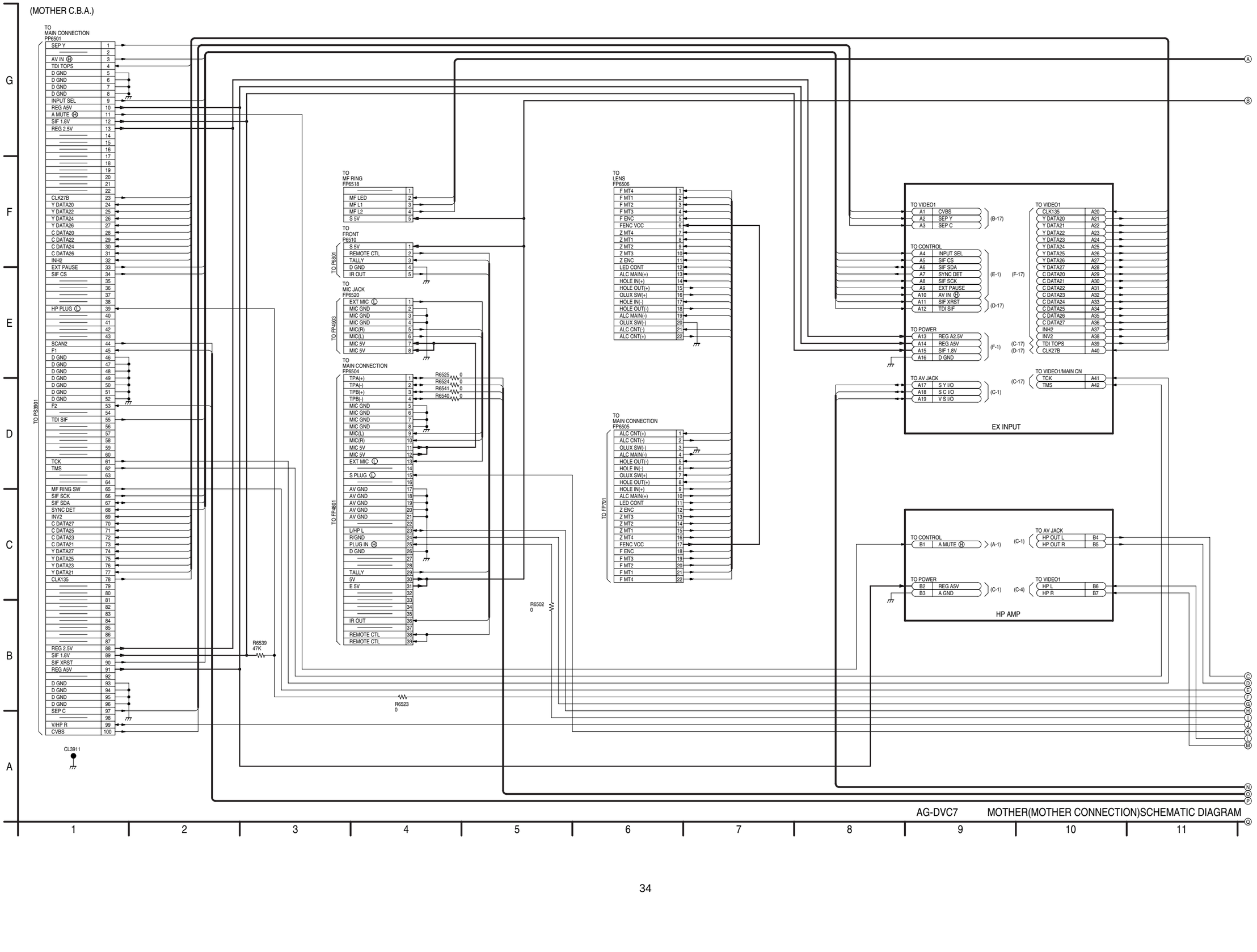
8 SCHEMATIC DIAGRAMS

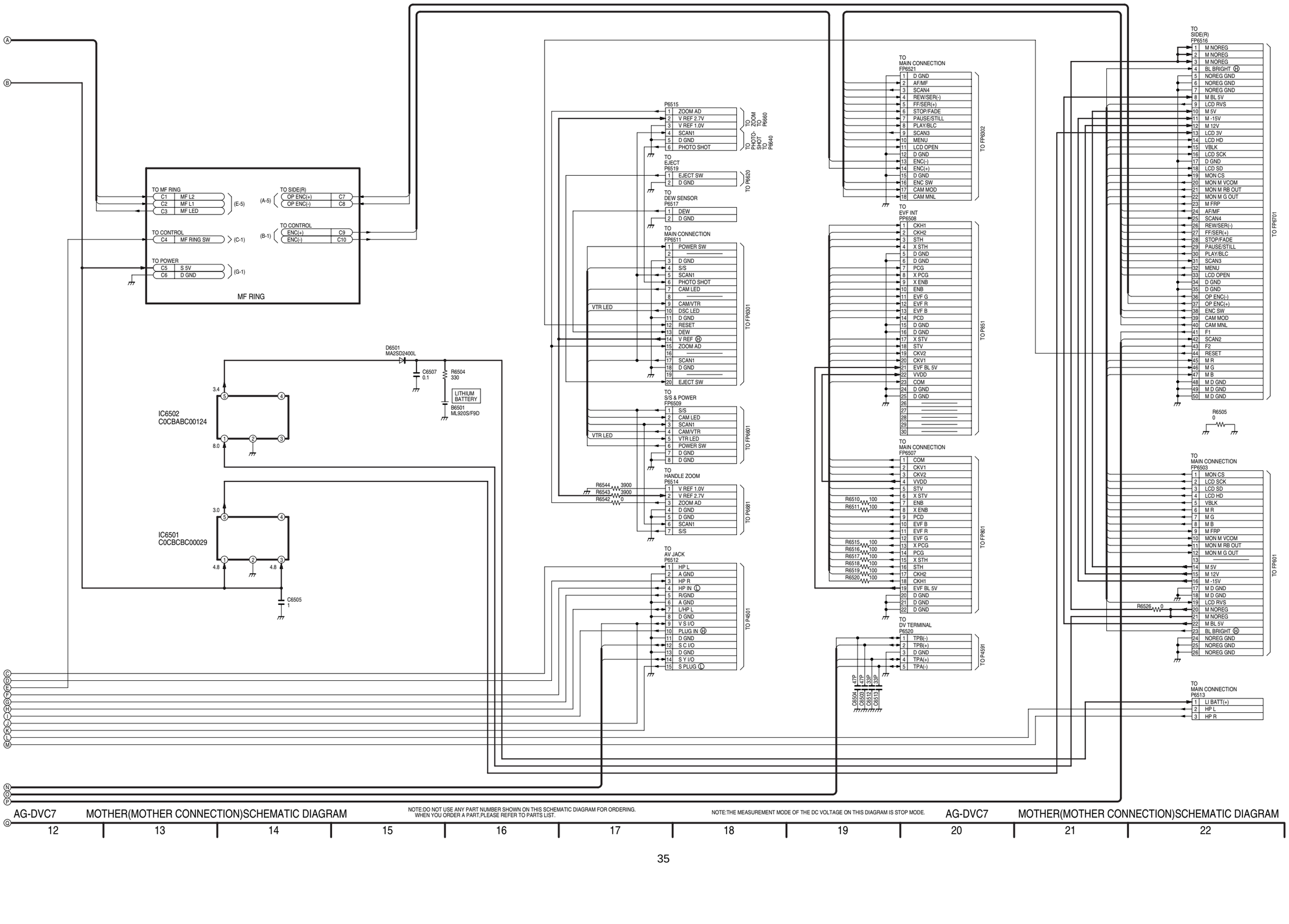
8.1. OVERALL SCHEMATIC DIAGRAM



AG-DVC7
OVERALL SCHEMATIC DIAGRAM

8.2. MOTHER (MOTHER CONNECTION) SCHEMATIC DIAGRAM

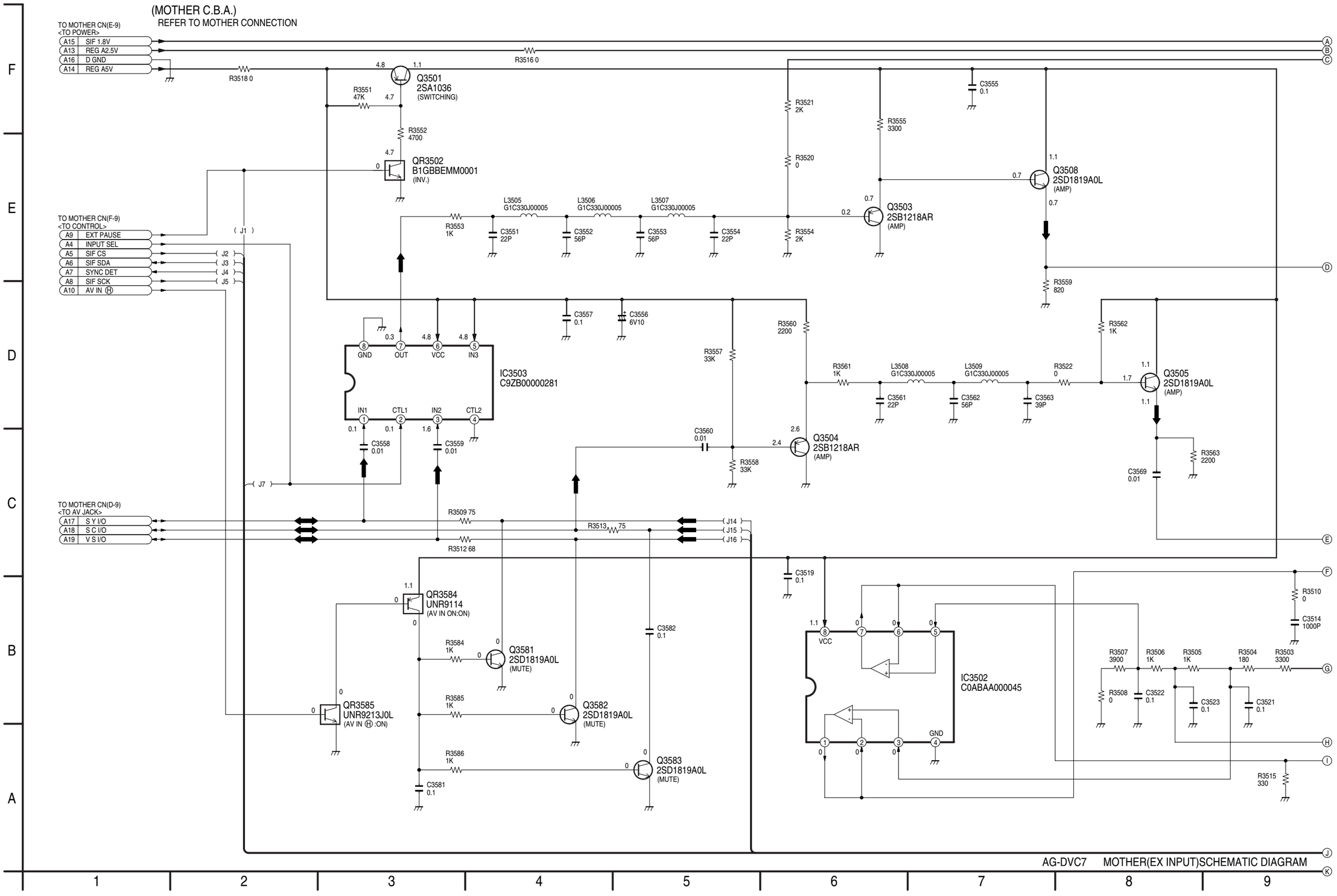




NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

8.3. MOTHER (EX INPUT) SCHEMATIC DIAGRAM



AG-DVC7 MOTHER(EX INPUT)SCHEMATIC DIAGRAM

:VIDEO MAIN SIGNAL PATH

IC3501
C1AB00001280
(ANALOG INPUT)

TO MOTHER CN(F-10)
<TO VIDEO1>
CLK135 A20
Y DATA20 A21
Y DATA21 A22
Y DATA22 A23
Y DATA23 A24
Y DATA24 A25
Y DATA25 A26
Y DATA26 A27
Y DATA27 A28
C DATA20 A29
C DATA21 A30
C DATA22 A31
C DATA23 A32
C DATA24 A33
C DATA25 A34
C DATA26 A35
C DATA27 A36
INV2 A38
INH2 A37

TO MOTHER CN(F-10)
<TO VIDEO1>
CLK27B A40

TO MOTHER CN(F-9)
<TO CONTROL>
TDI SIF A12
SIF XRST A11

TO MOTHER CN(F-10)
<TO VIDEO1>
TDI TOPS A39

TO MOTHER CN(D-10)
<TO VIDEO1/MAIN CN>
TCK A41
TMS A42

TO MOTHER CN(F-9)
<TO VIDEO1>
SEP Y A2
CVBS A1
SEP C A3

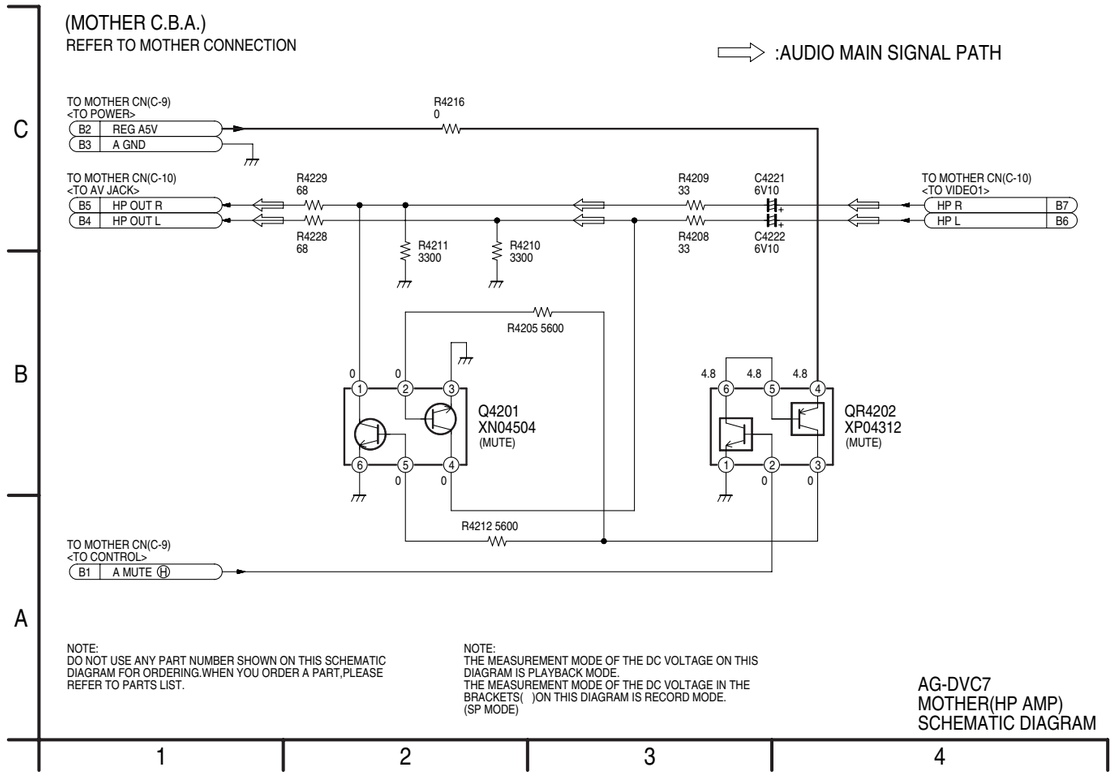
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE.
(SP MODE)

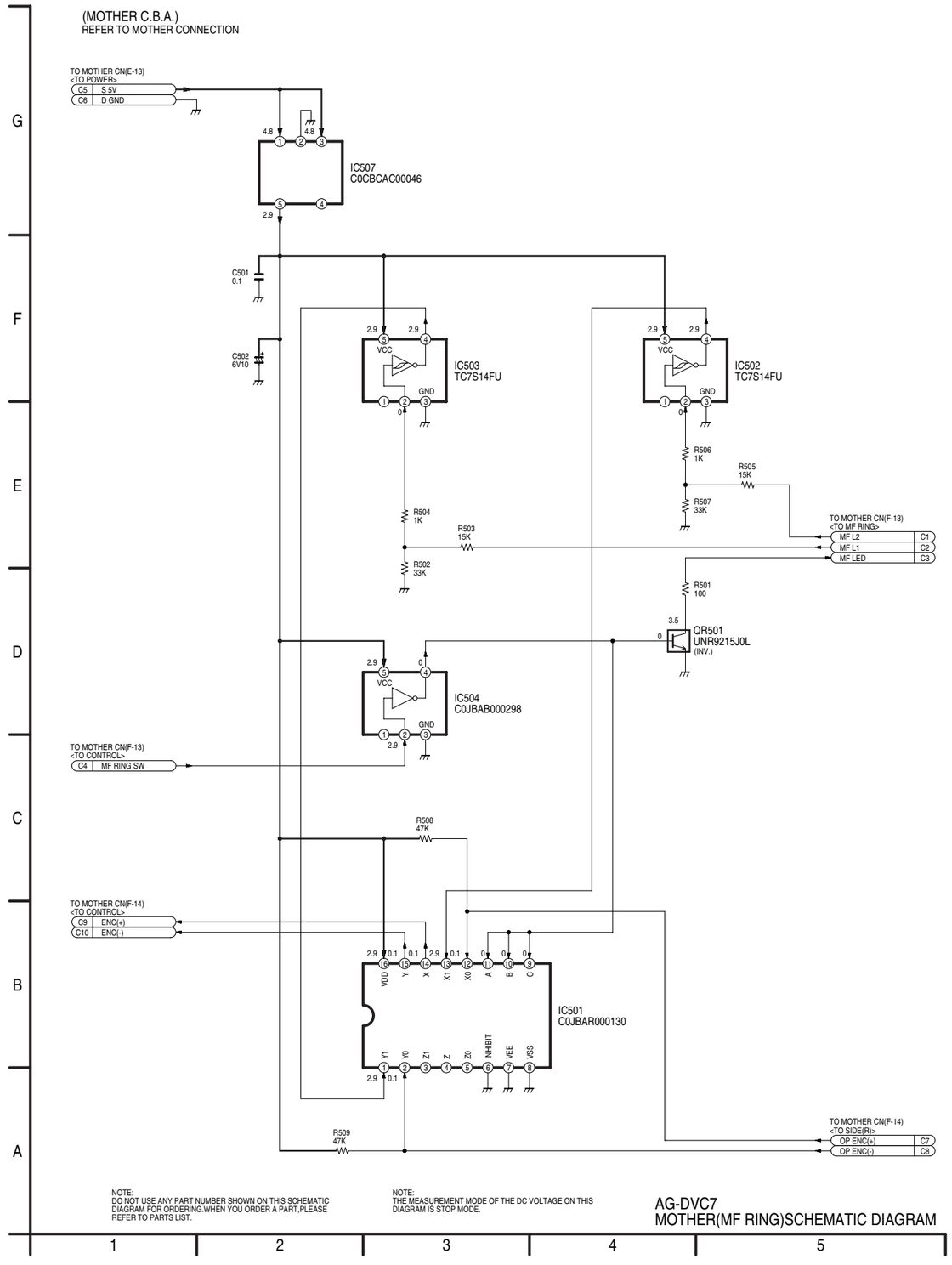
AG-DVC7 MOTHER(EX INPUT)SCHEMATIC DIAGRAM

AG-DVC7 MOTHER(EX INPUT)SCHEMATIC DIAGRAM

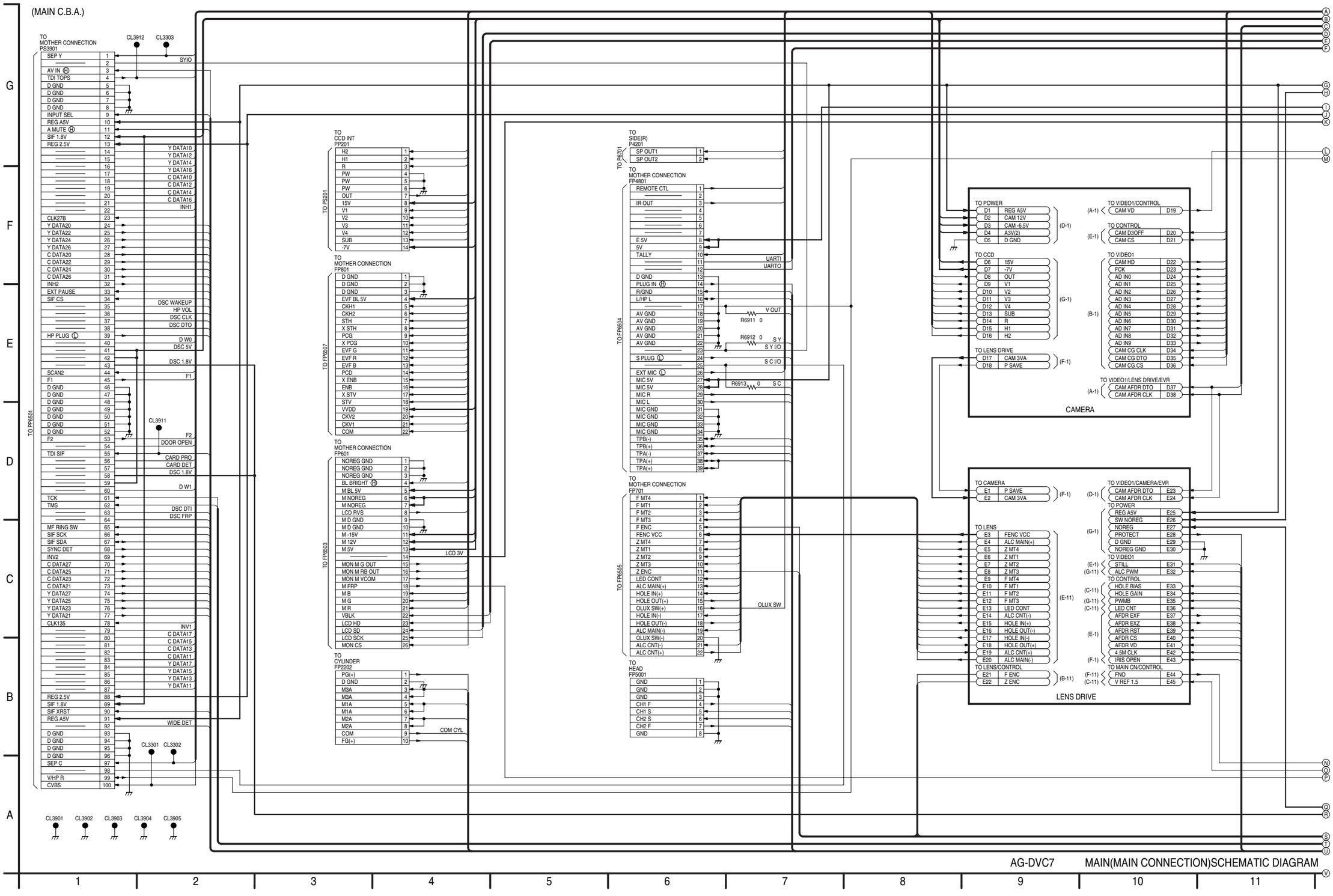
8.4. MOTHER (HP AMP) SCHEMATIC DIAGRAM

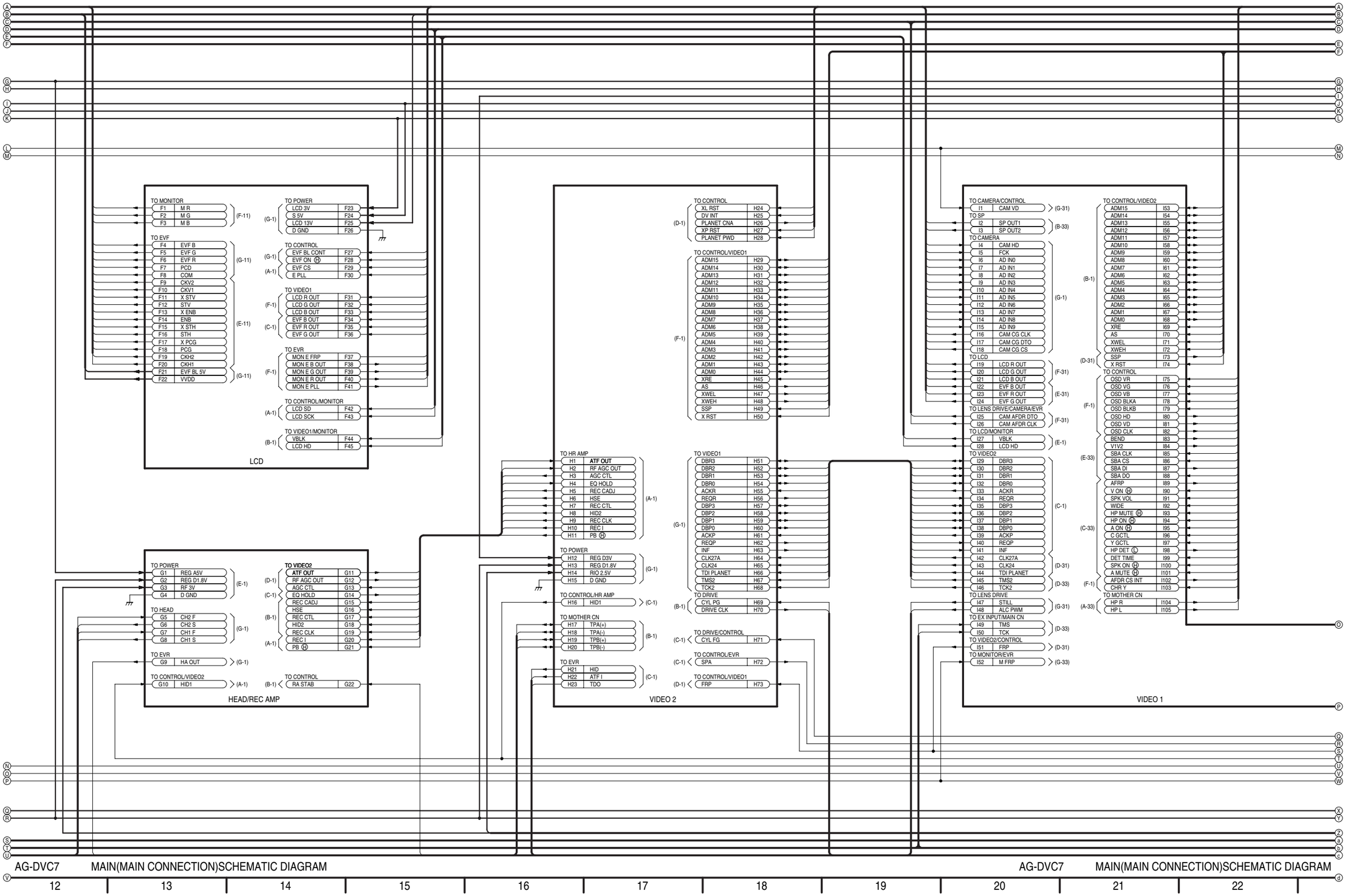


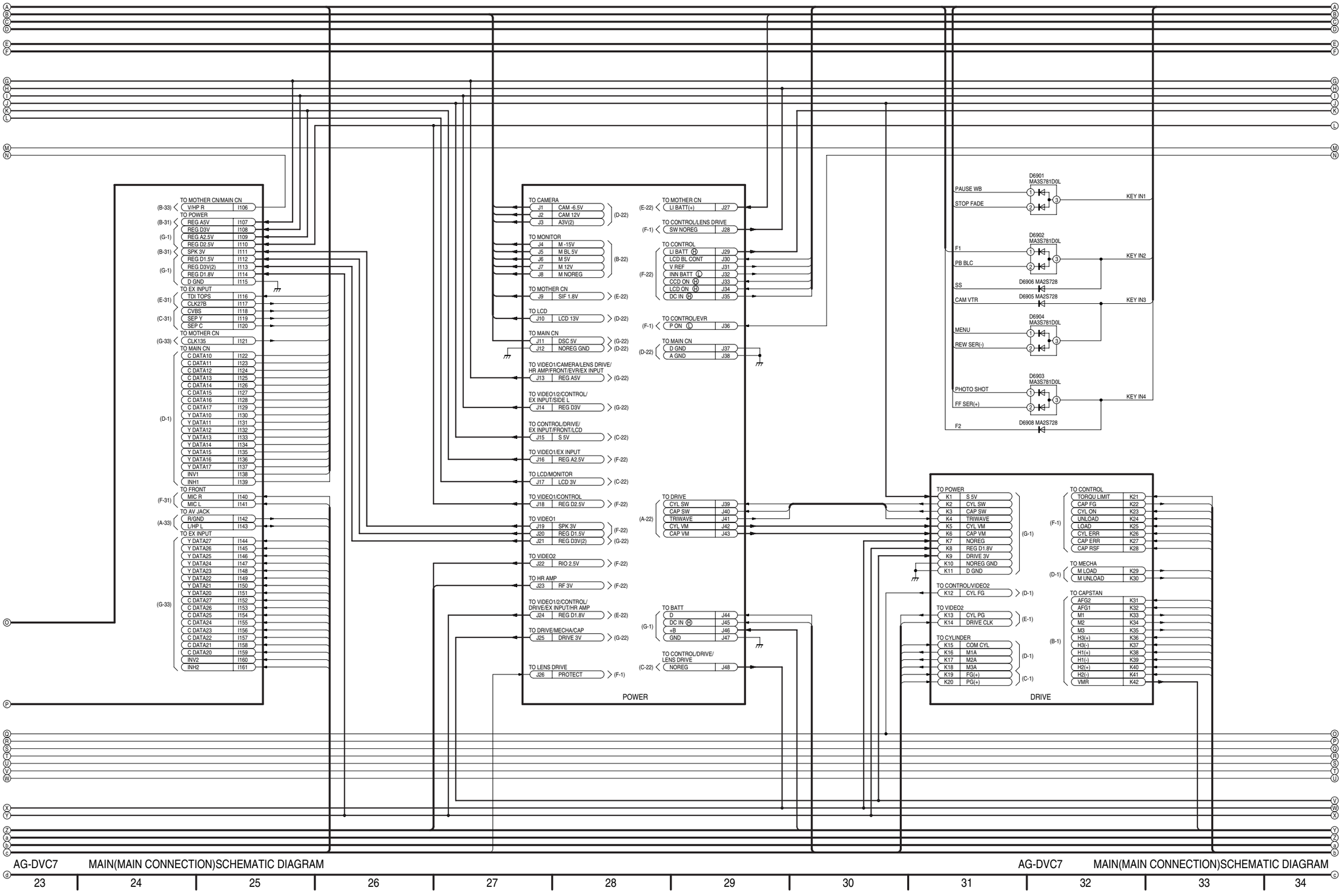
8.5. MOTHER (MF RING) SCHEMATIC DIAGRAM

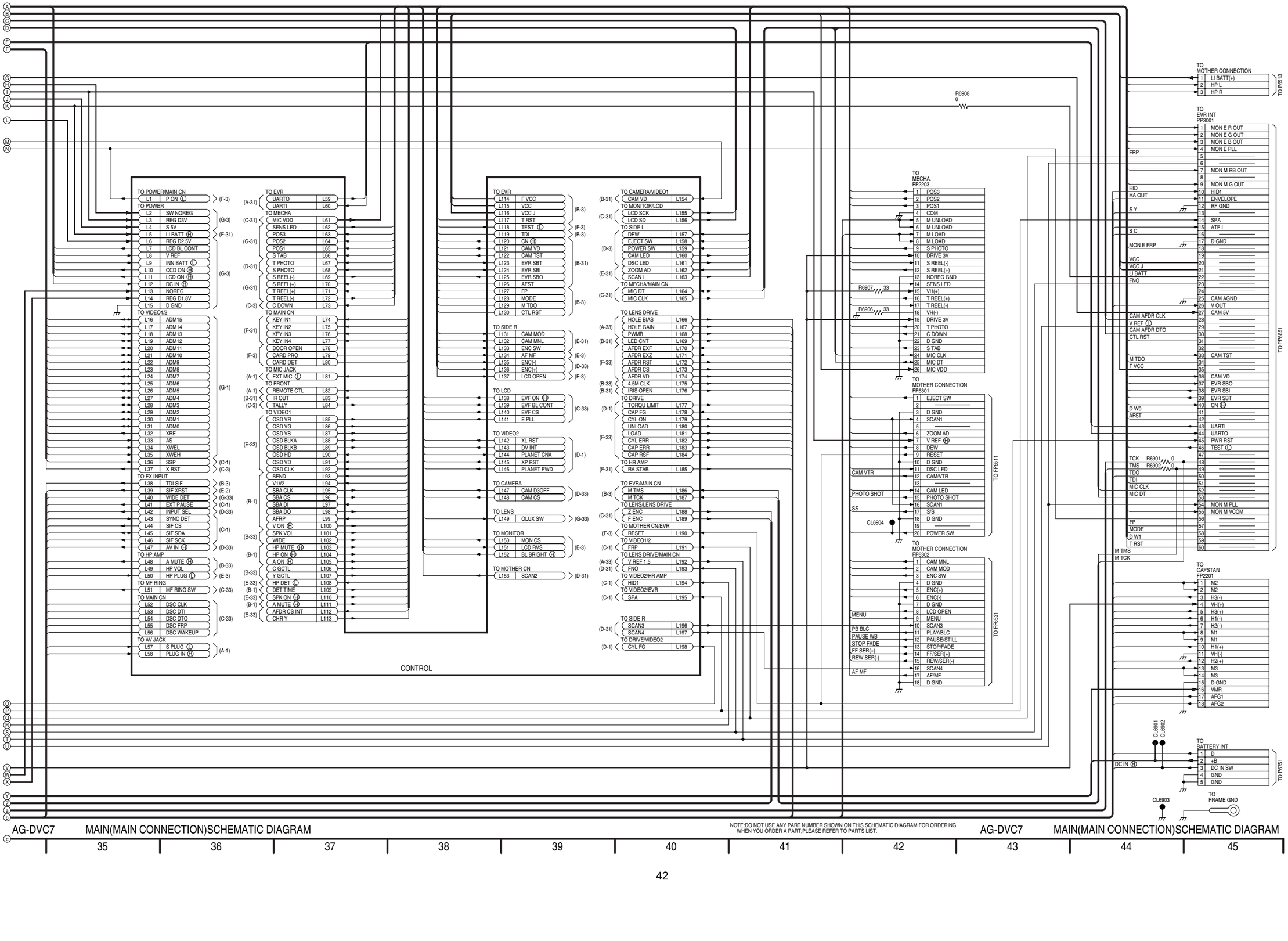


8.6. MAIN (MAIN CONNECTION) SCHEMATIC DIAGRAM




LCD
HEAD/REC AMP
VIDEO 2
VIDEO 1


TO MOTHER CN/MAIN CN
V/HP R I106
TO POWER
REG A5V I107
REG D3V I108
REG A2.5V I109
REG D2.5V I110
SPK 3V I111
REG D1.5V I112
REG D3V(2) I113
REG D1.8V I114
D GND I115
TO EX INPUT
TDI TOPS I116
CLK27B I117
CVBS I118
SEP Y I119
SEP C I120
TO MOTHER CN
CLK135 I121
TO MAIN CN
C DATA10 I122
C DATA11 I123
C DATA12 I124
C DATA13 I125
C DATA14 I126
C DATA15 I127
C DATA16 I128
C DATA17 I129
Y DATA10 I130
Y DATA11 I131
Y DATA12 I132
Y DATA13 I133
Y DATA14 I134
Y DATA15 I135
Y DATA16 I136
Y DATA17 I137
INV1 I138
INH1 I139
TO FRONT
MIC R I140
MIC L I141
TO AV JACK
R/GND I142
L/HP L I143
TO EX INPUT
Y DATA27 I144
Y DATA26 I145
Y DATA25 I146
Y DATA24 I147
Y DATA23 I148
Y DATA22 I149
Y DATA21 I150
Y DATA20 I151
C DATA27 I152
C DATA26 I153
C DATA25 I154
C DATA24 I155
C DATA23 I156
C DATA22 I157
C DATA21 I158
C DATA20 I159
INV2 I160
INH2 I161
TO CAMERA
J1 CAM -6.5V
J2 CAM 12V
J3 A3V(2)
TO MONITOR
J4 M -15V
J5 M BL 5V
J6 M 5V
J7 M 12V
J8 M NOREG
TO MOTHER CN
J9 SIF 1.8V
TO LCD
J10 LCD 13V
TO MAIN CN
J11 DSC 5V
J12 NOREG GND
TO VIDEO1/CAMERA/LENS DRIVE/
HR AMP/FRONT/EVR/EX INPUT
J13 REG A5V
TO VIDEO1/2/CONTROL/
EX INPUT/SIDE L
J14 REG D3V
TO CONTROL/DRIVE/
EX INPUT/FRONT/LCD
J15 S 5V
TO VIDEO1/EX INPUT
J16 REG A2.5V
TO LCD/MONITOR
J17 LCD 3V
TO VIDEO1/CONTROL
J18 REG D2.5V
TO VIDEO1
J19 SPK 3V
J20 REG D1.5V
J21 REG D3V(2)
TO VIDEO2
J22 RIO 2.5V
TO HR AMP
J23 RF 3V
TO VIDEO1/2/CONTROL/
DRIVE/EX INPUT/HR AMP
J24 REG D1.8V
TO DRIVE/MECHA/CAP
J25 DRIVE 3V
TO LENS DRIVE
J26 PROTECT
POWER
TO MOTHER CN
LI BATT(+) J27
TO CONTROL/LENS DRIVE
SW NOREG J28
TO CONTROL
LI BATT H J29
LCD BL CONT J30
V REF J31
INN BATT L J32
CCD ON H J33
LCD ON H J34
DC IN H J35
TO CONTROL/EVR
P ON L J36
TO MAIN CN
D GND J37
A GND J38
TO DRIVE
CYL SW J39
CAP SW J40
TRIWAVE J41
CYL VM J42
CAP VM J43
TO BATT
D J44
DC IN H J45
+B J46
GND J47
TO CONTROL/DRIVE/
LENS DRIVE
NOREG J48
D6901 MA3S781D0L
PAUSE WB
STOP FADE
KEY IN1
D6902 MA3S781D0L
F1
PB BLC
KEY IN2
SS
D6906 MA2S728
CAM VTR
D6905 MA2S728
KEY IN3
D6904 MA3S781D0L
MENU
REW SER(-)
D6903 MA3S781D0L
PHOTO SHOT
FF SER(+)
KEY IN4
F2
D6908 MA2S728
TO POWER
K1 S 5V
K2 CYL SW
K3 CAP SW
K4 TRIWAVE
K5 CYL VM
K6 CAP VM
K7 NOREG
K8 REG D1.8V
K9 DRIVE 3V
K10 NOREG GND
K11 D GND
TO CONTROL/VIDEO2
K12 CYL FG
TO VIDEO2
K13 CYL PG
K14 DRIVE CLK
TO CYLINDER
K15 COM CYL
K16 M1A
K17 M2A
K18 M3A
K19 FG(+)
K20 PG(+)
TO CONTROL
TORQU LIMIT K21
CAP FG K22
CYL ON K23
UNLOAD K24
LOAD K25
CYL ERR K26
CAP ERR K27
CAP RSF K28
TO MECHA
M LOAD K29
M UNLOAD K30
TO CAPSTAN
AFG2 K31
AFG1 K32
M1 K33
M2 K34
M3 K35
H3(+) K36
H3(-) K37
H1(+) K38
H1(-) K39
H2(+) K40
H2(-) K41
VMR K42
DRIVE



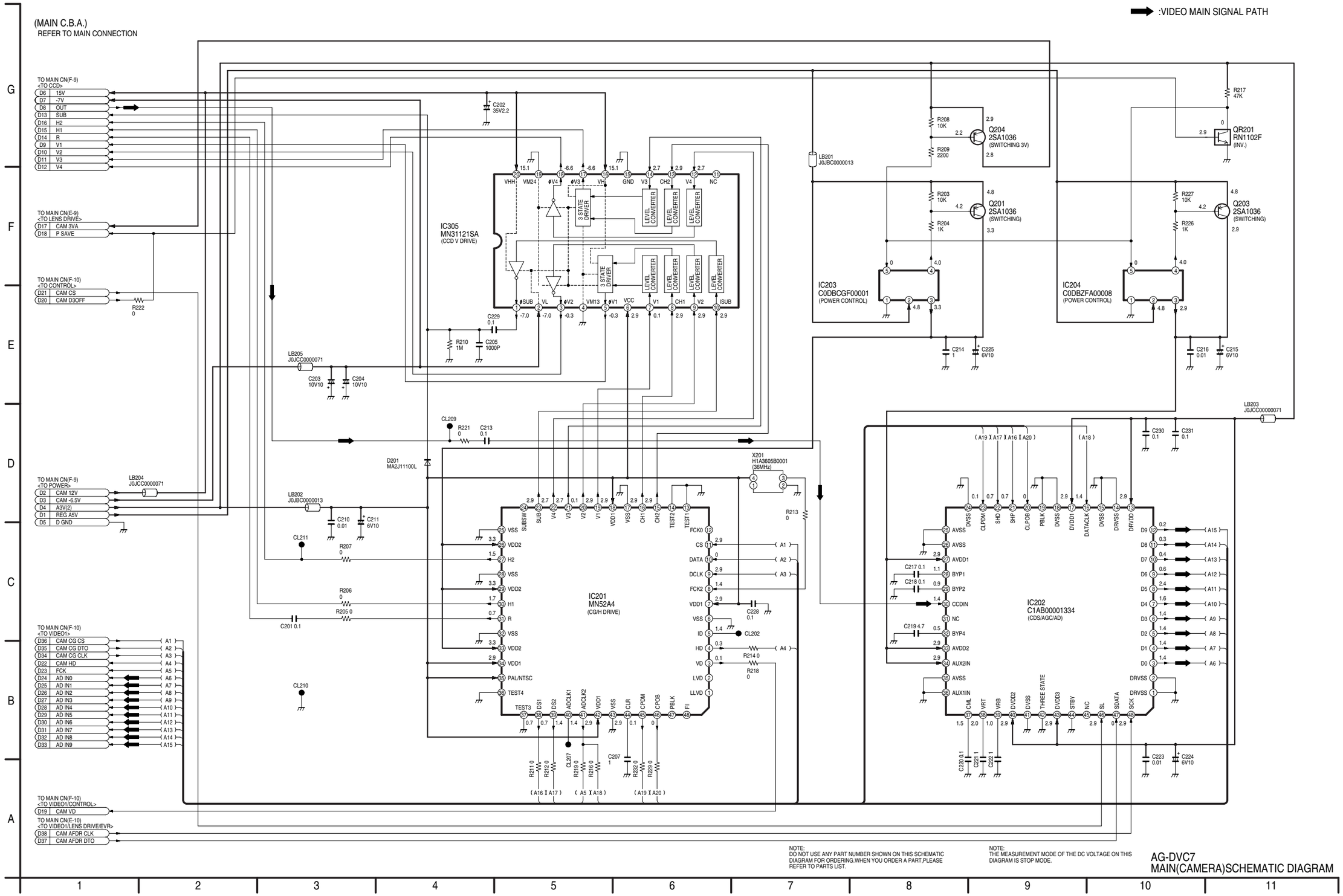
AG-DVC7 MAIN(MAIN CONNECTION)SCHEMATIC DIAGRAM

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

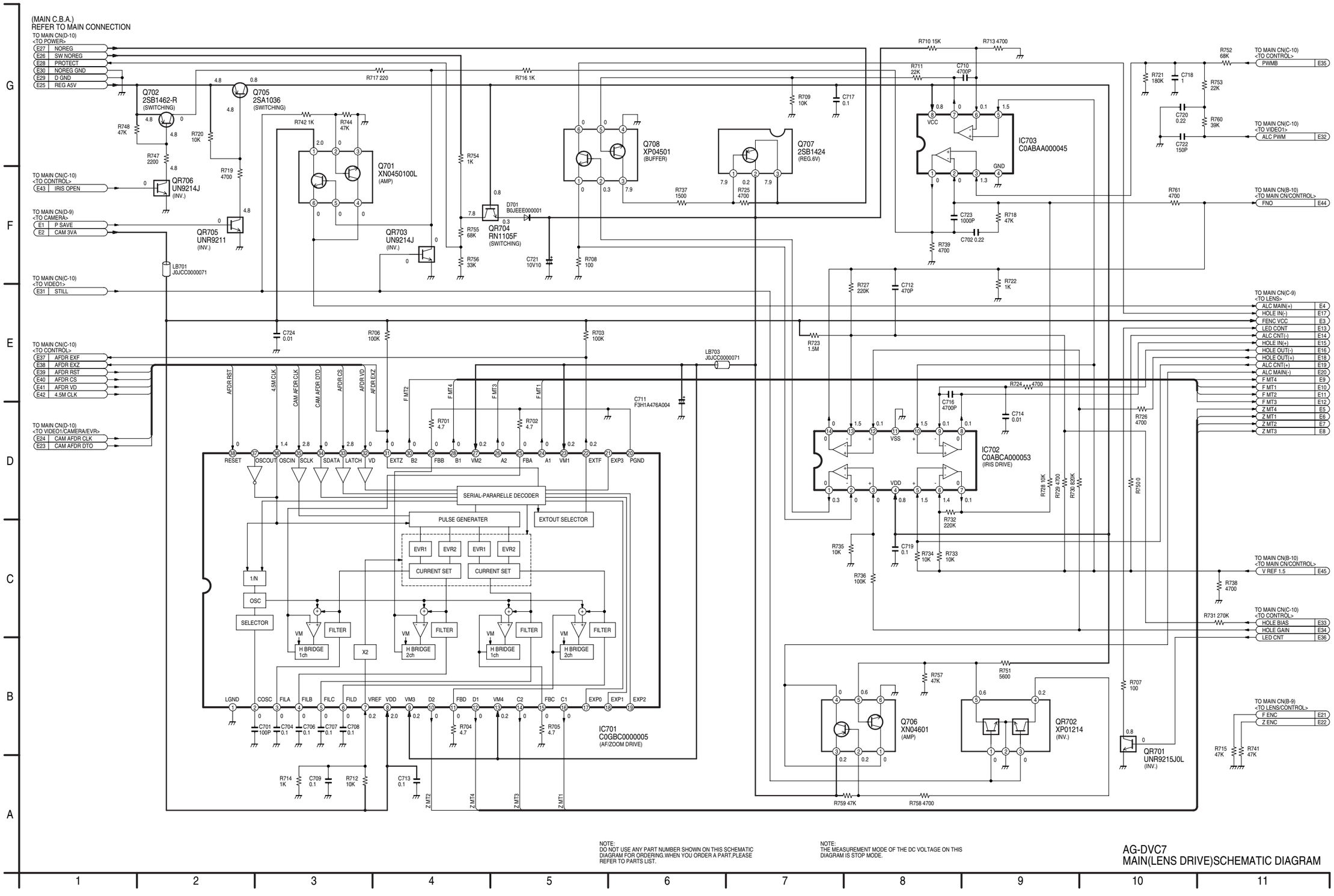
AG-DVC7 MAIN(MAIN CONNECTION)SCHEMATIC DIAGRAM

35 36 37 38 39 40 41 42 43 44 45

8.7. MAIN (CAMERA) SCHEMATIC DIAGRAM



8.8. MAIN (LENS DRIVE) SCHEMATIC DIAGRAM

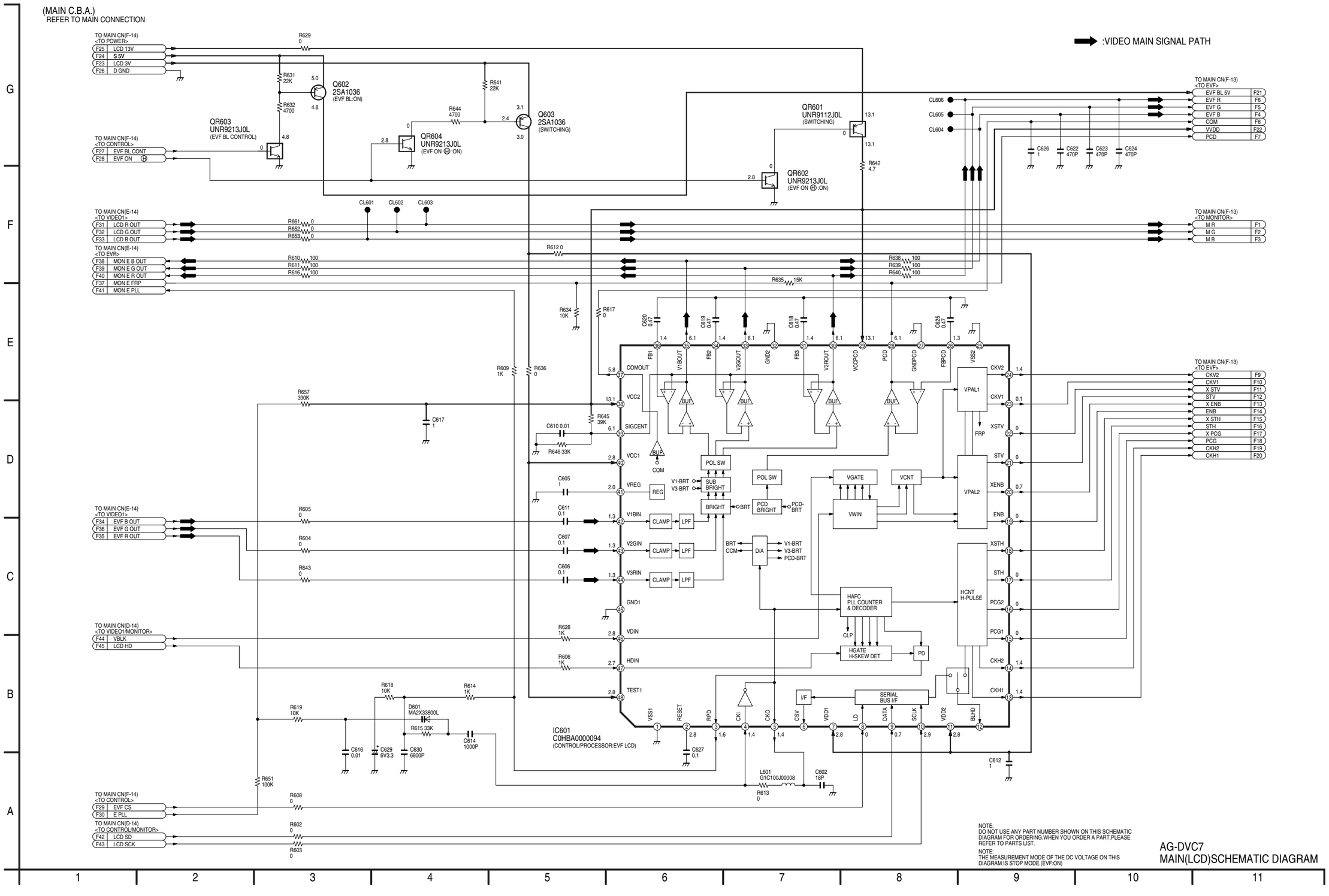

(MAIN C.B.A.)
REFER TO MAIN CONNECTION
TO MAIN CN(D-10) <TO POWER>
E27 NOREG
E26 SW NOREG
E28 PROTECT
E30 NOREG GND
E29 D GND
E25 REG A5V
Q702 2SB1462-R (SWITCHING)
Q705 2SA1036 (SWITCHING)
Q701 XN0450100L (AMP)
Q708 XP04501 (BUFFER)
Q707 2SB1424 (REG.6V)
QR706 UN9214J (INV.)
QR705 UNR9211 (INV.)
QR703 UN9214J (INV.)
QR704 RN1105F (SWITCHING)
D701 B0JEEE000001
LB701 J0JCC0000071
LB703 J0JCC0000071
IC703 C0ABAA000045
IC702 C0ABCA000053 (IRIS DRIVE)
IC701 C0GBC0000005 (AF/ZOOM DRIVE)
Q706 XN04601 (AMP)
QR702 XP01214 (INV.)
QR701 UNR9215J0L (INV.)
TO MAIN CN(C-10) <TO CONTROL> E43 IRIS OPEN
TO MAIN CN(D-9) <TO CAMERA> E1 P SAVE E2 CAM 3VA
TO MAIN CN(C-10) <TO VIDEO1> E31 STILL
TO MAIN CN(C-10) <TO CONTROL> E37 AFDR EXF E38 AFDR EXZ E39 AFDR RST E40 AFDR CS E41 AFDR VD E42 4.5M CLK
TO MAIN CN(D-10) <TO VIDEO1/CAMERA/EVR> E24 CAM AFDR CLK E23 CAM AFDR DTO
TO MAIN CN(C-10) <TO CONTROL> E752 PWMB E35
TO MAIN CN(C-10) <TO VIDEO1> E32 ALC PWM
TO MAIN CN(B-10) <TO MAIN CN/CONTROL> E44 FNO
TO MAIN CN(C-9) <TO LENS> E4 ALC MAIN(+) E17 HOLE IN(-) E3 FENC VCC E13 LED CONT E14 ALC CNT(-) E15 HOLE IN(+) E16 HOLE OUT(-) E18 HOLE OUT(+) E19 ALC CNT(+) E20 ALC MAIN(-) E9 F MT4 E10 F MT1 E11 F MT2 E12 F MT3 E5 Z MT4 E6 Z MT1 E7 Z MT2 E8 Z MT3
TO MAIN CN(B-10) <TO MAIN CN/CONTROL> E45 V REF 1.5
TO MAIN CN(C-10) <TO CONTROL> E33 HOLE BIAS E34 HOLE GAIN E36 LED CNT
TO MAIN CN(B-9) <TO LENS/CONTROL> E21 F ENC E22 Z ENC
RESET OSCOUT OSCIN SCLK SDATA LATCH VD EXTZ B2 FBB B1 VM2 A2 FBA A1 VM1 EXTF EXP3 PGND
SERIAL-PARARELLE DECODER
PULSE GENERATER
EXTOUT SELECTOR
EVR1 EVR2 EVR1 EVR2
CURRENT SET CURRENT SET
1/N
OSC
SELECTOR
VM FILTER H BRIDGE 1ch
VM FILTER H BRIDGE 2ch
VM FILTER H BRIDGE 1ch
VM FILTER H BRIDGE 2ch
X2
LGND COSC FILA FILB FILC FILD VREF VDD VM3 D2 FBD D1 VM4 C2 FBC C1 EXP0 EXP1 EXP2
Z MT2 Z MT4 Z MT3 Z MT1
R710 15K R713 4700 R717 220 R716 1K R709 10K C717 0.1 R711 22K C710 4700P R752 68K R721 180K C718 1 R753 22K C720 0.22 R760 39K C722 150P R748 47K R747 2200 R720 10K R719 4700 R742 1K R744 47K R754 1K R755 68K R756 33K R737 1500 R725 4700 R761 4700 C723 1000P R718 47K C702 0.22 R739 4700 C721 10V10 R708 100 R727 220K C712 470P R722 1K R723 1.5M C724 0.01 R706 100K R703 100K C711 F3H1A476A004 R701 4.7 R702 4.7 R724 4700 C716 4700P C714 0.01 R726 4700 R728 10K R729 4700 R730 220K R750 0 R732 220K R735 10K C719 0.1 R734 10K R733 10K R736 100K R738 4700 R731 270K R751 5600 R757 47K R707 100 R759 47K R758 4700 R714 1K C709 0.1 R712 10K C713 0.1 C701 100P C704 0.1 C706 0.1 C707 0.1 C708 0.1 R704 4.7 R705 4.7 R715 47K R741 47K
VCC GND VSS VDD
IC703 C0ABAA000045
IC702 C0ABCA000053 (IRIS DRIVE)
IC701 C0GBC0000005 (AF/ZOOM DRIVE)

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

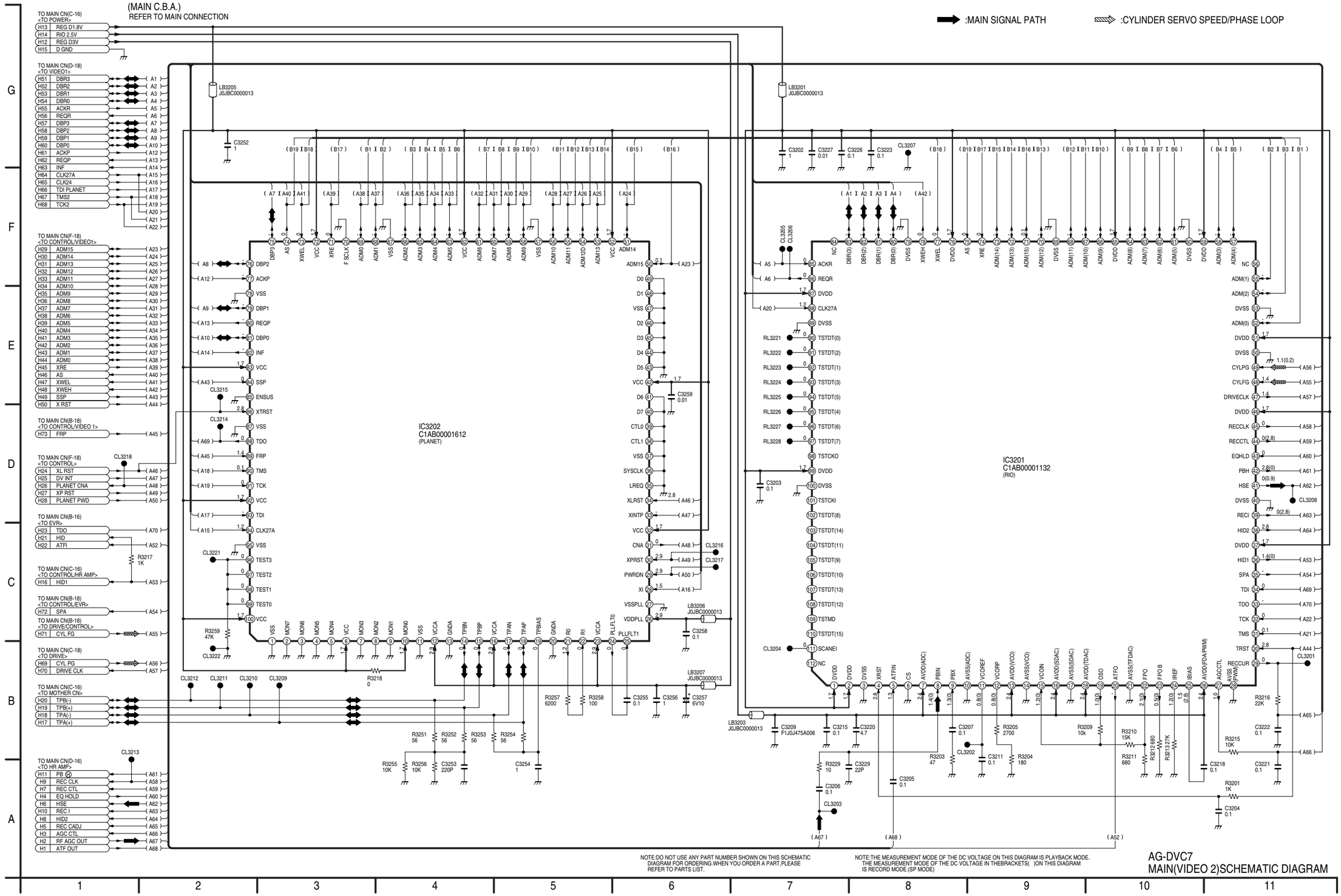
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

AG-DVC7
MAIN(LENS DRIVE)SCHEMATIC DIAGRAM

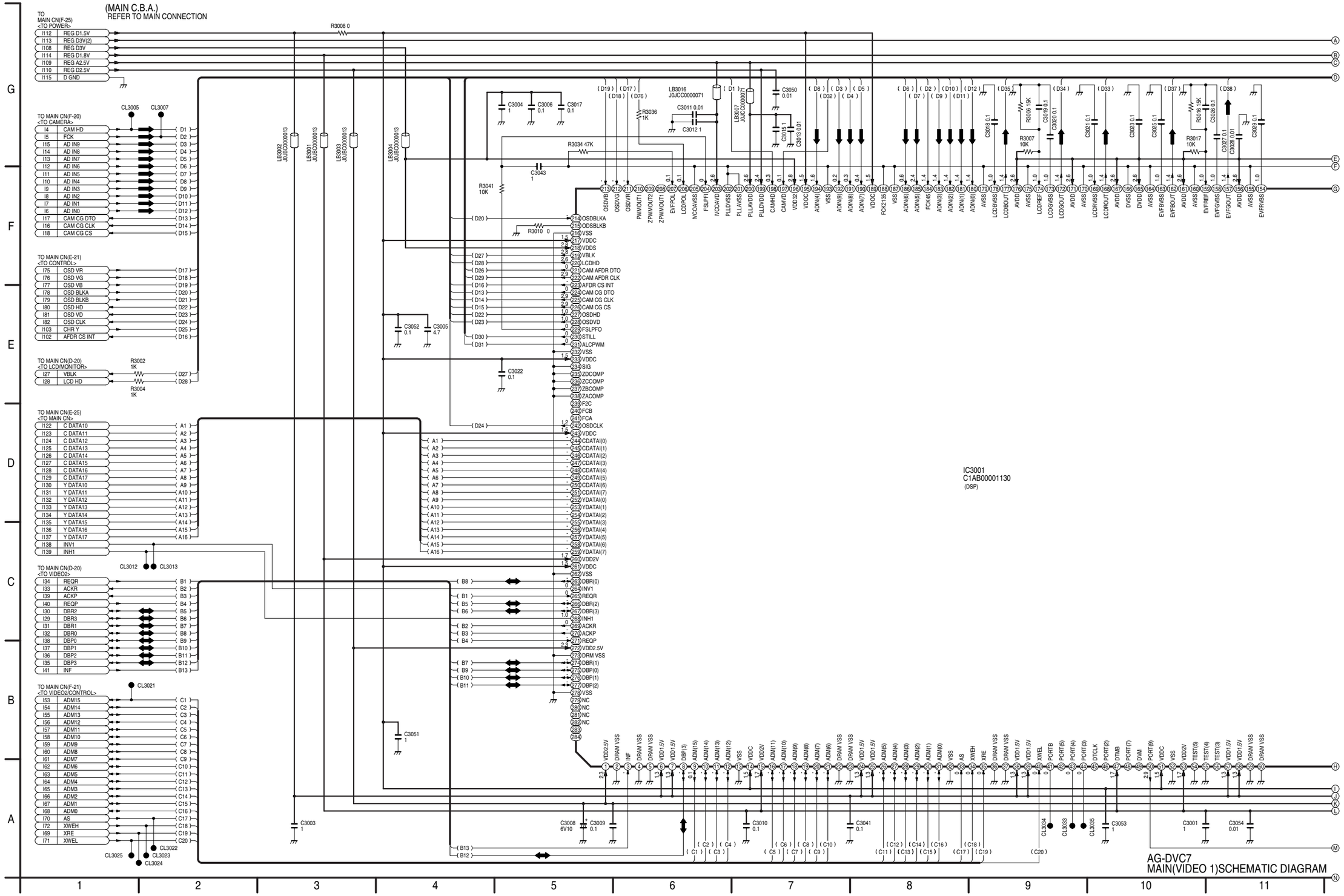
8.9. MAIN (LCD) SCHEMATIC DIAGRAM

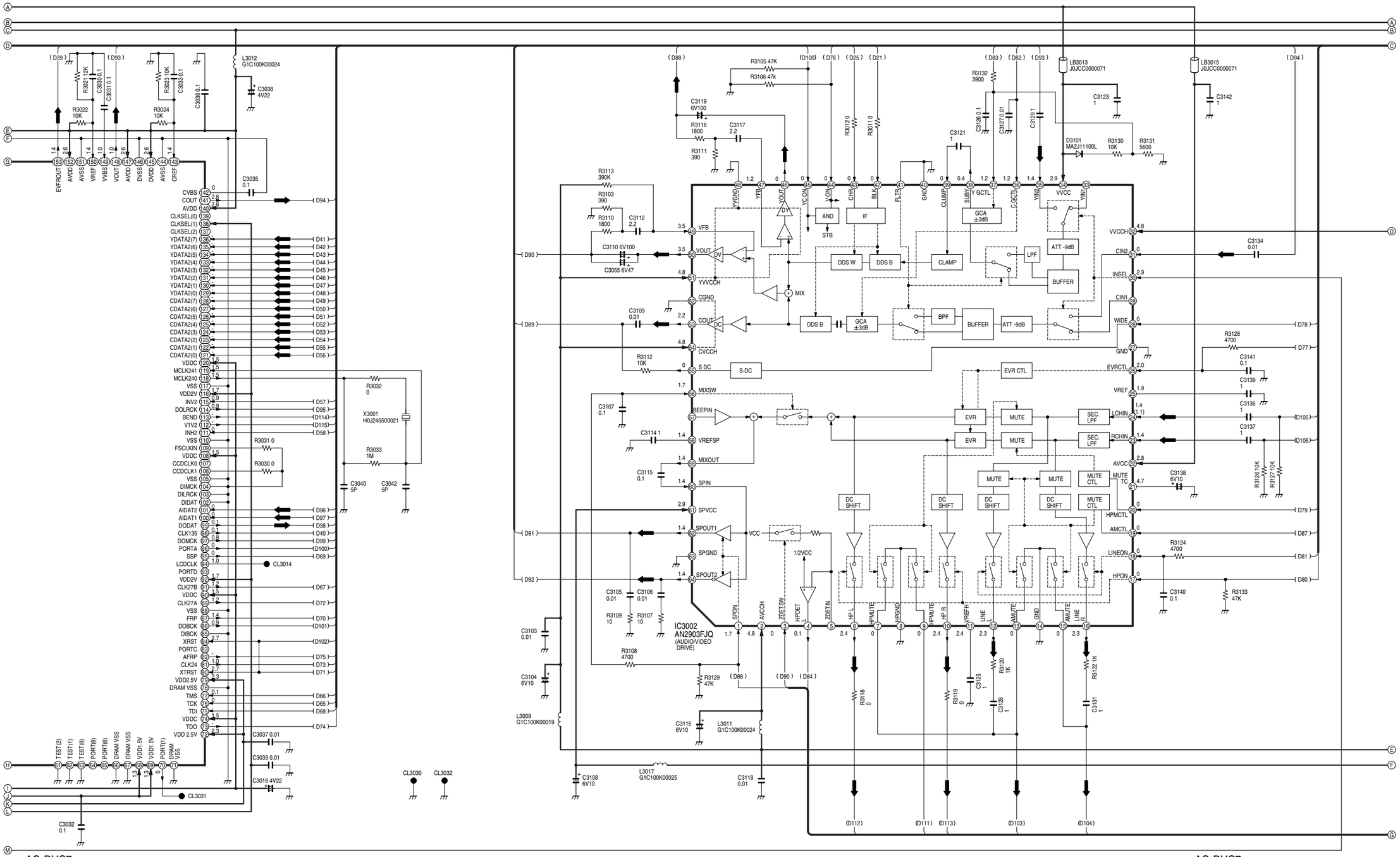


8.10. MAIN (VIDEO 2) SCHEMATIC DIAGRAM


(MAIN C.B.A.)
REFER TO MAIN CONNECTION
:MAIN SIGNAL PATH
:CYLINDER SERVO SPEED/PHASE LOOP
IC3202
C1AB00001612
(PLANET)
IC3201
C1AB00001132
(RIO)
LB3205 JOJBC0000013
LB3201 JOJBC0000013
LB3206 JOJBC0000013
LB3207 JOJBC0000013
LB3203 JOJBC0000013
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE. THE MEASUREMENT MODE OF THE DC VOLTAGE IN THEBRACKETS( )ON THIS DIAGRAM IS RECORD MODE.(SP MODE)
AG-DVC7
MAIN(VIDEO 2)SCHEMATIC DIAGRAM

8.11. MAIN (VIDEO 1) SCHEMATIC DIAGRAM





AG-DVC7
MAIN(VIDEO 1)SCHEMATIC DIAGRAM

AG-DVC7
MAIN(VIDEO 1)SCHEMATIC DIAGRAM

:MAIN SIGNAL PATH

L3002
G1C100K00024

C3034
6V10

LB3014
JUJCC0000071

C3132
1

IC3004
C0FBZJ000005
(AUDIO AD/DA)

R3125
1K

R3115
1K

C3049
1

C3048
1

R3037
27K

R3015
27K

C3044
6V10

C3047 1

C3046 1

R3035 22K

R3005 22K

LB3006
JUBC0000013

C3014
1

R3001
10

C3007
6V10

CL3108

CL3006

CL3016 CL3017

CL3009

CL3001 CL3002

CL3003 CL3004

CL3010 CL3011

R3104
1200

R3102
3900

R3151
2200

R3101
6800

TO MAIN CN(E-25)
<TO MOTHER CN>

D40	CLK135	I121

TO MAIN CN(F-20)
<TO CAMERA/CONTROL>

D32	CAM VD	I1

TO MAIN CN(C-20)
<TO LENS DRIVE>

D31	ALC PWM	I48
D30	STILL	I47

TO MAIN CN(D-20)
<TO CAMERA/LENS DRIVE/EVR>

D26	CAM AFDR DTO	I25
D29	CAM AFDR CLK	I26

TO MAIN CN(E-20)
<TO LCD>

D33	LCD R OUT	I19
D34	LCD G OUT	I20
D35	LCD B OUT	I21

TO MAIN CN(D-25)
<TO FRONT>

D108	MIC R	I140
D107	MIC L	I141

TO MAIN CN(E-20)
<TO LCD>

D37	EVF B OUT	I22
D38	EVF G OUT	I24
D39	EVF R OUT	I23

TO MAIN CN(E-25)
<TO EX INPUT>

D67	CLK27B	I117
D68	TDI TOPS	I116

TO MAIN CN(B-20/F-21)
<TO VIDEO2/CONTROL>

D69	SSP	I73
D70	FRP	I51
D71	X RST	I74

TO MAIN CN(D-20)
<TO VIDEO2>

D72	CLK27A	I42
D73	CLK24	I43
D74	TDI PLANET	I44

TO MAIN CN(E-25)
<TO EX INPUT>

D90	CVBS	I118
D88	SEP Y	I119
D89	SEP C	I120

TO MAIN CN(F-25)
<TO POWER>

	REG A5V	I107
	SPK 3V	I111

TO MAIN CN(B-20)
<TO MONITOR/EVR>

D76	M FRP	I52

TO MAIN CN(C-25)
<TO EX INPUT>

D41	Y DATA27	I144
D42	Y DATA26	I145
D43	Y DATA25	I146
D44	Y DATA24	I147
D45	Y DATA23	I148
D46	Y DATA22	I149
D47	Y DATA21	I150
D48	Y DATA20	I151
D49	C DATA27	I152
D50	C DATA26	I153
D51	C DATA25	I154
D52	C DATA24	I155
D53	C DATA23	I156
D54	C DATA22	I157
D55	C DATA21	I158
D56	C DATA20	I159
D57	INV2	I160
D58	INH2	I161

TO MAIN CN(E-21)
<TO CONTROL>

D114	BEND	I83
D115	V1V2	I84
D61	SBA CLK	I85
D62	SBA CS	I86
D63	SBA DI	I87
D64	SBA DO	I88

TO MAIN CN(C-20)
<TO EX INPUT/MAIN CN>

	TCK	I50
	TMS	I49

TO MAIN CN(D-20)
<TO VIDEO2>

D65	TCK2	I46
D66	TMS2	I45

TO MAIN CN(E-21)
<TO CONTROL>

D75	AFRP	I89
D76	V ON H	I90
D77	SPK VOL	I91
D78	WIDE	I92
D79	HP MUTE H	I93
D80	HP ON H	I94
D81	A ON H	I95
D82	C GCTL	I96
D83	Y GCTL	I97
D84	HP DET L	I98
D90	DET TIME	I99
D86	SPK ON H	I100
D87	A MUTE H	I101

TO MAIN CN(F-25)
<TO MOTHER CN/MAIN CN>

D111	V/HP R	I106

TO MAIN CN(F-20)
<TO SP>

D91	SP OUT1	I2
D92	SP OUT2	I3

TO MAIN CN(C-21)
<TO MOTHER CN>

D113	HP R	I104
D112	HP L	I105

CL3008 CL3015

TO MAIN CN(D-25)
<TO AV JACK>

D109	R/GND	I142
D110	L/HP L	I143

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

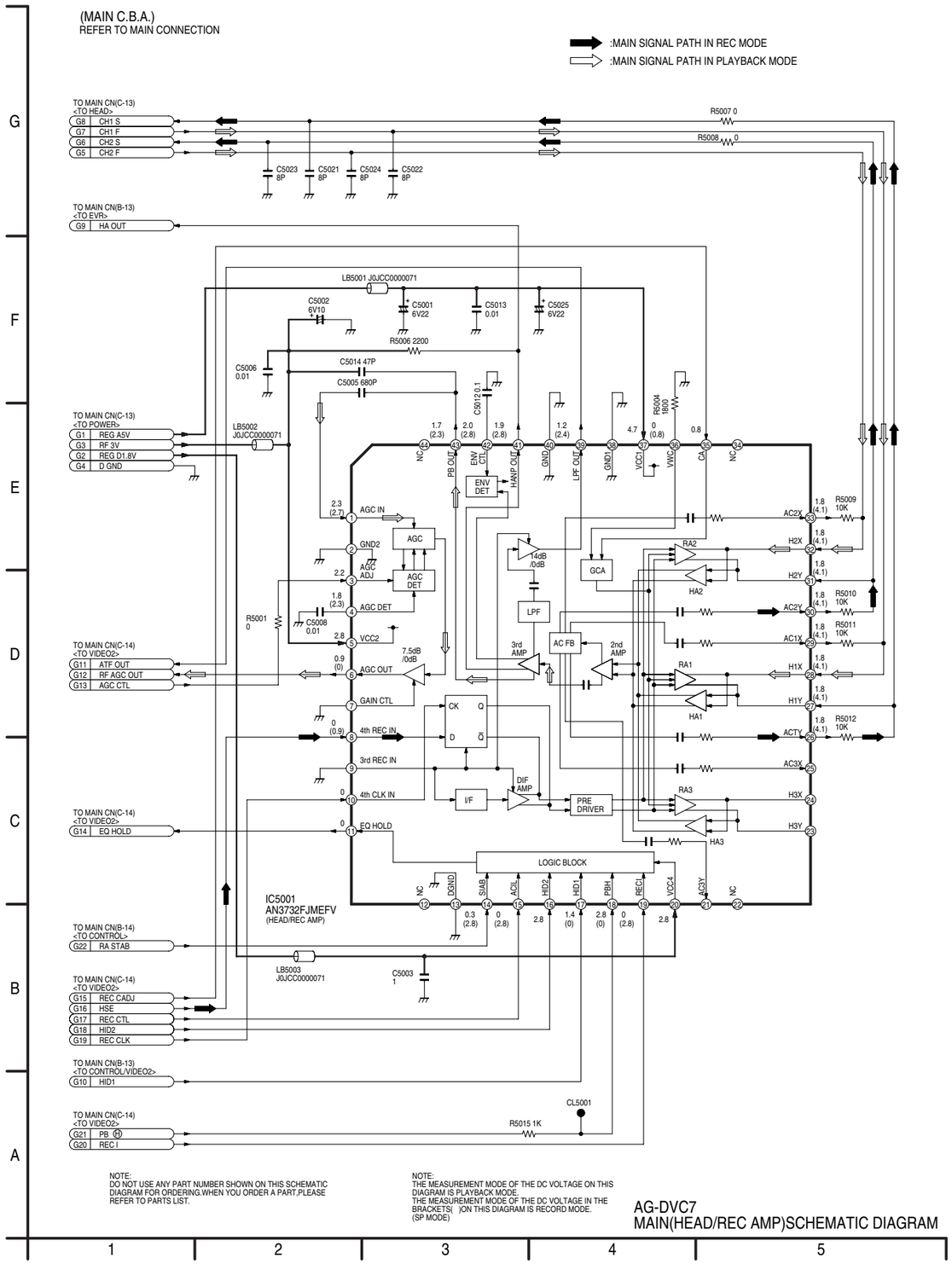
NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE.
(SP MODE)

AG-DVC7
MAIN(VIDEO 1)SCHEMATIC DIAGRAM

AG-DVC7
MAIN(VIDEO 1)SCHEMATIC DIAGRAM

23 24 25 26 27 28 29 30 31 32 33

8.12. MAIN (HEAD/ REC AMP) SCHEMATIC DIAGRAM

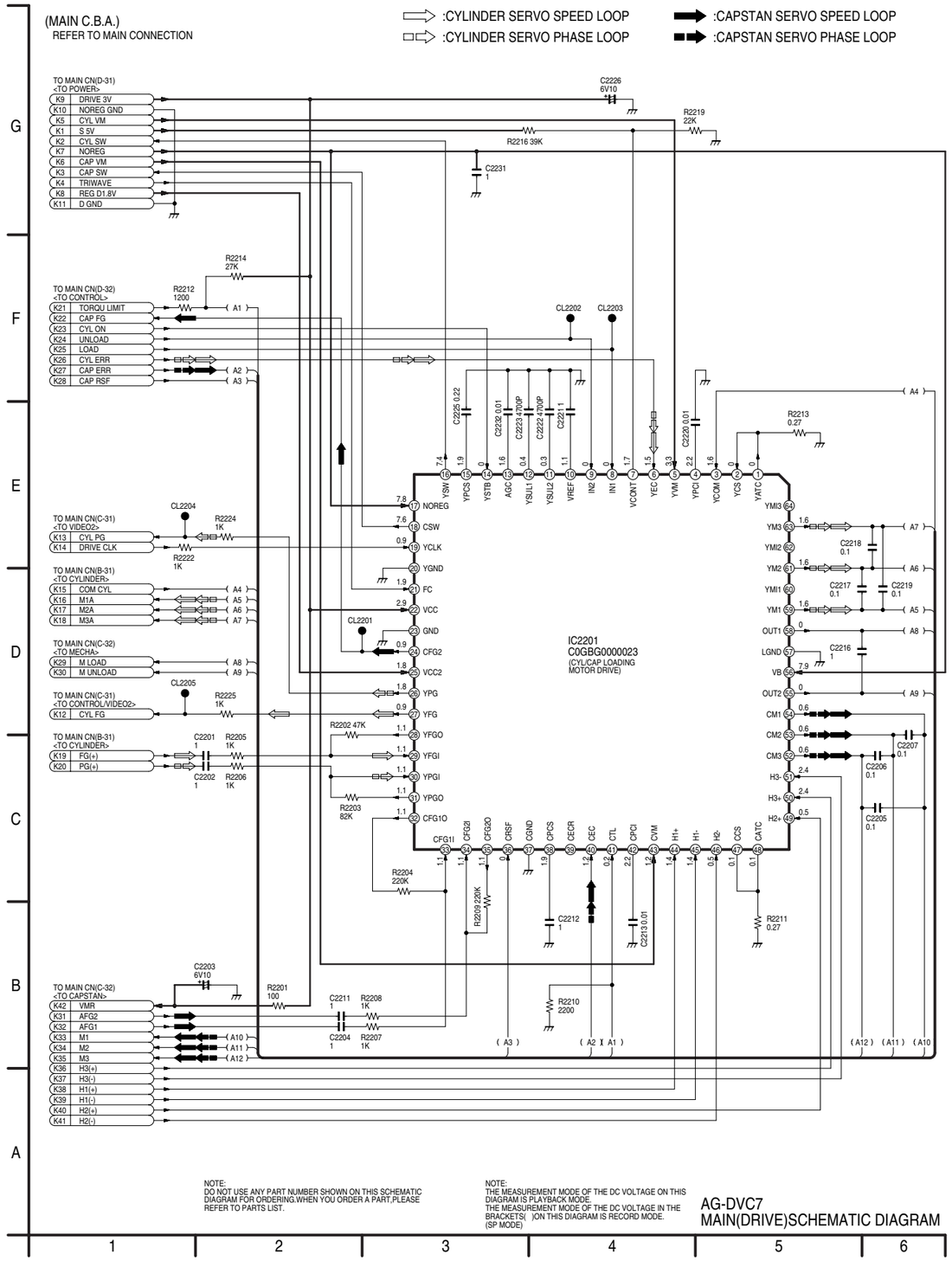


NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE.
(SP MODE)

AG-DVC7
MAIN(HEAD/REC AMP)SCHEMATIC DIAGRAM

8.13. MAIN (DRIVE) SCHEMATIC DIAGRAM

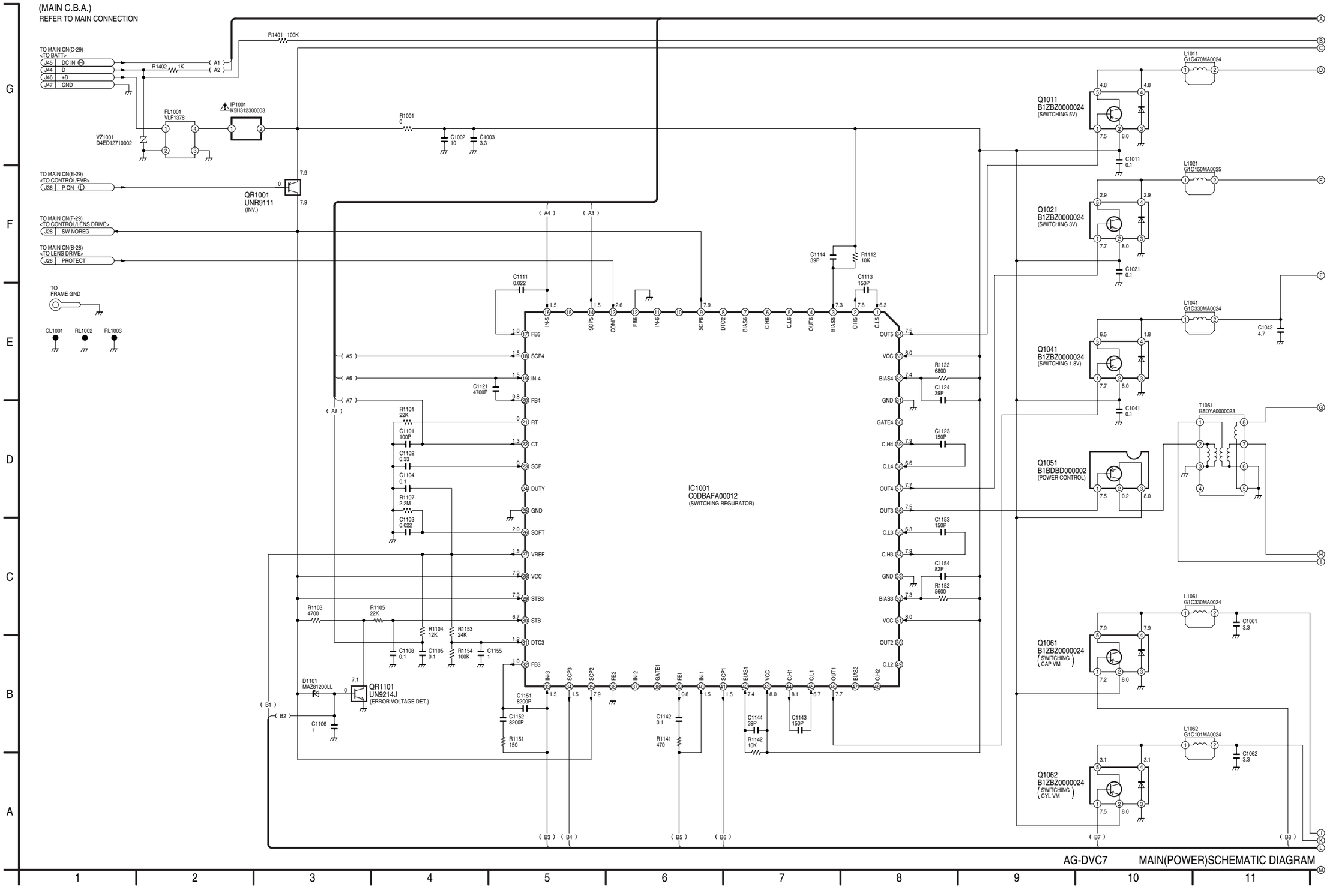


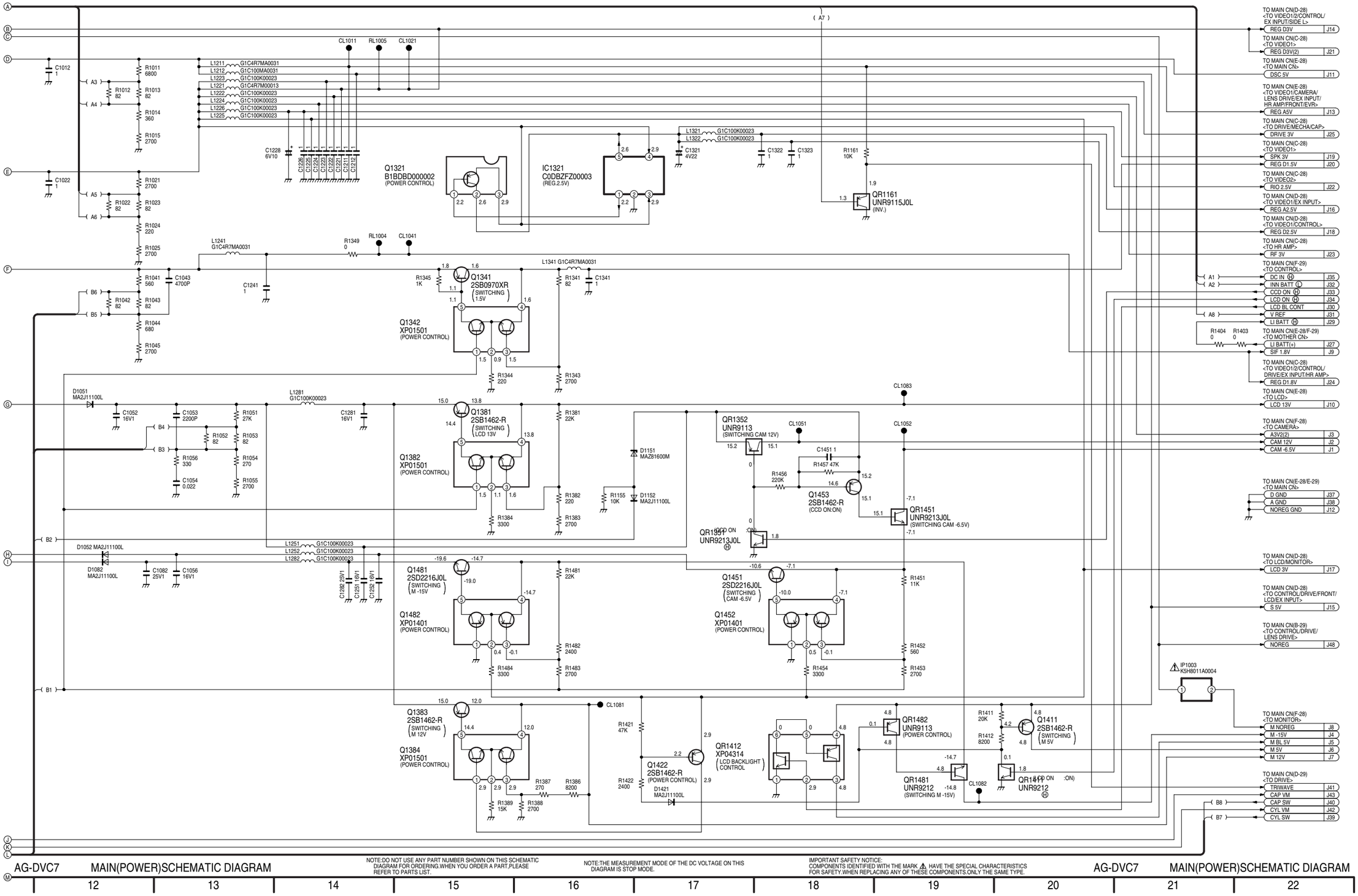
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:
THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS PLAYBACK MODE.
THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS( )ON THIS DIAGRAM IS RECORD MODE.
(SP MODE)

AG-DVC7
MAIN(DRIVE)SCHEMATIC DIAGRAM

8.14. MAIN (POWER) SCHEMATIC DIAGRAM





NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

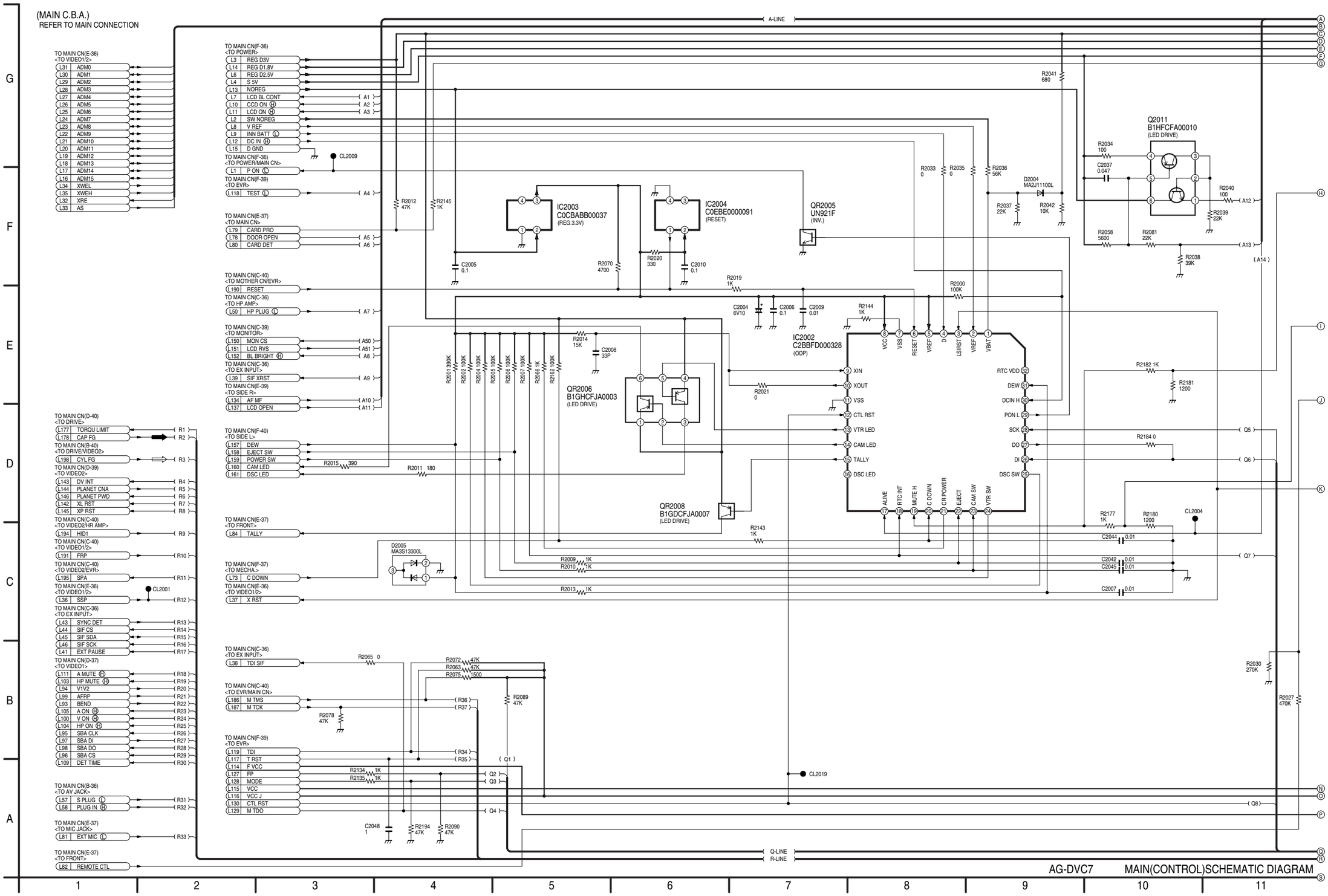
IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.WHEN REPLACING ANY OF THESE COMPONENTS,ONLY THE SAME TYPE.

AG-DVC7 MAIN(POWER)SCHEMATIC DIAGRAM

AG-DVC7 MAIN(POWER)SCHEMATIC DIAGRAM

12 13 14 15 16 17 18 19 20 21 22

8.15. MAIN (CONTROL) SCHEMATIC DIAGRAM



IC2001
C2DBLJ000071
(SYSTEM CONTROL MICROCOMPUTER)

Q2007
2SA1036
(MIC ON:ON)

LB2001
J0JBC0000013

LB2002
J0JBC0000013

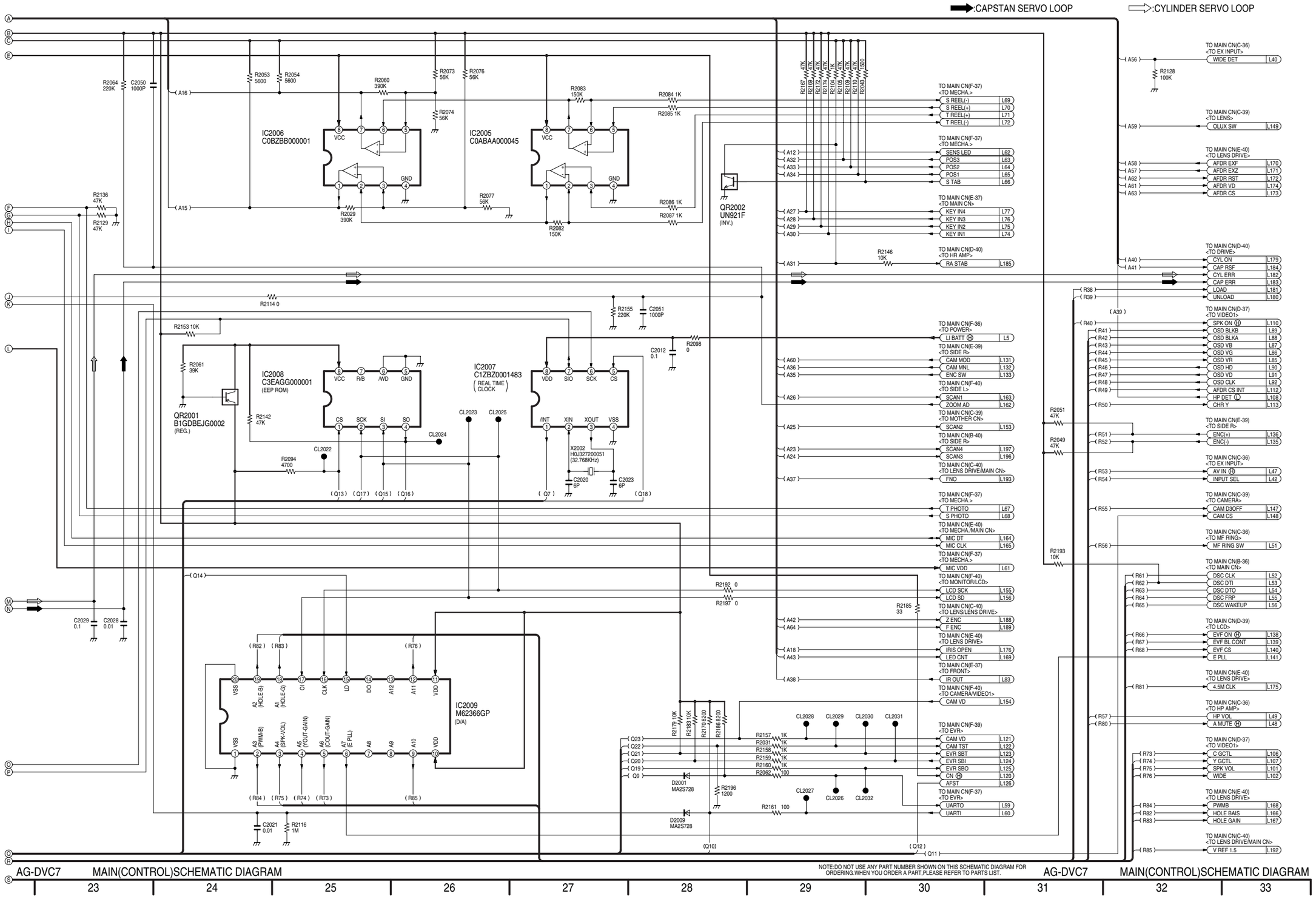
L2003
G1C100K00019

CL2005
CL2020
CL2012
CL2002
CL2003
CL2011
CL2021
CL2008
CL2013
CL2016
CL2017
CL2014

X2003
H0J270500024
(27MHz)

AG-DVC7 MAIN(CONTROL)SCHEMATIC DIAGRAM

AG-DVC7 MAIN(CONTROL)SCHEMATIC DIAGRAM


:CAPSTAN SERVO LOOP
:CYLINDER SERVO LOOP
IC2006 C0BZBB000001
IC2005 C0ABAA000045
QR2002 UN921F (INV.)
IC2008 C3EAGG000001 (EEP ROM)
QR2001 B1GDBEJG0002 (REG.)
IC2007 C1ZBZ0001483 (REAL TIME CLOCK)
X2002 H0J327200051 (32.768KHz)
IC2009 M62366GP (D/A)
D2001 MA2S728
D2009 MA2S728
TO MAIN CN(F-37) <TO MECHA.> S REEL(-) L69 S REEL(+) L70 T REEL(+) L71 T REEL(-) L72
TO MAIN CN(F-37) <TO MECHA.> SENS LED L62 POS3 L63 POS2 L64 POS1 L65 S TAB L66
TO MAIN CN(E-37) <TO MAIN CN> KEY IN4 L77 KEY IN3 L76 KEY IN2 L75 KEY IN1 L74
TO MAIN CN(D-40) <TO HR AMP> RA STAB L185
TO MAIN CN(F-36) <TO POWER> LI BATT H L5
TO MAIN CN(E-39) <TO SIDE R> CAM MOD L131 CAM MNL L132 ENC SW L133
TO MAIN CN(F-40) <TO SIDE L> SCAN1 L163 ZOOM AD L162
TO MAIN CN(C-39) <TO MOTHER CN> SCAN2 L153
TO MAIN CN(B-40) <TO SIDE R> SCAN4 L197 SCAN3 L196
TO MAIN CN(C-40) <TO LENS DRIVE/MAIN CN> FNO L193
TO MAIN CN(F-37) <TO MECHA.> T.PHOTO L67 S.PHOTO L68
TO MAIN CN(E-40) <TO MECHA./MAIN CN> MIC DT L164 MIC CLK L165
TO MAIN CN(F-37) <TO MECHA.> MIC VDD L61
TO MAIN CN(F-40) <TO MONITOR/LCD> LCD SCK L155 LCD SD L156
TO MAIN CN(C-40) <TO LENS/LENS DRIVE> Z ENC L188 F ENC L189
TO MAIN CN(E-40) <TO LENS DRIVE> IRIS OPEN L176 LED CNT L169
TO MAIN CN(E-37) <TO FRONT> IR OUT L83
TO MAIN CN(F-40) <TO CAMERA/VIDEO1> CAM VD L154
TO MAIN CN(F-39) <TO EVR> CAM VD L121 CAM TST L122 EVR SBT L123 EVR SBI L124 EVR SBO L125 CN H L120 AFST L126
TO MAIN CN(F-37) <TO EVR> UARTO L59 UARTI L60
TO MAIN CN(C-36) <TO EX INPUT> WIDE DET L40
TO MAIN CN(C-39) <TO LENS> OLUX SW L149
TO MAIN CN(E-40) <TO LENS DRIVE> AFDR EXF L170 AFDR EXZ L171 AFDR RST L172 AFDR VD L174 AFDR CS L173
TO MAIN CN(D-40) <TO DRIVE> CYL ON L179 CAP RSF L184 CYL ERR L182 CAP ERR L183 LOAD L181 UNLOAD L180
TO MAIN CN(D-37) <TO VIDEO1> SPK ON H L110 OSD BLKB L89 OSD BLKA L88 OSD VB L87 OSD VG L86 OSD VR L85 OSD HD L90 OSD VD L91 OSD CLK L92 AFDR CS INT L112 HP DET L L108 CHR Y L113
TO MAIN CN(E-39) <TO SIDE R> ENC(+) L136 ENC(-) L135
TO MAIN CN(C-36) <TO EX INPUT> AV IN H L47 INPUT SEL L42
TO MAIN CN(C-39) <TO CAMERA> CAM D3OFF L147 CAM CS L148
TO MAIN CN(C-36) <TO MF RING> MF RING SW L51
TO MAIN CN(B-36) <TO MAIN CN> DSC CLK L52 DSC DTI L53 DSC DTO L54 DSC FRP L55 DSC WAKEUP L56
TO MAIN CN(D-39) <TO LCD> EVF ON H L138 EVF BL CONT L139 EVF CS L140 E PLL L141
TO MAIN CN(E-40) <TO LENS DRIVE> 4.5M CLK L175
TO MAIN CN(C-36) <TO HP AMP> HP VOL L49 A MUTE H L48
TO MAIN CN(D-37) <TO VIDEO1> C GCTL L106 Y GCTL L107 SPK VOL L101 WIDE L102
TO MAIN CN(E-40) <TO LENS DRIVE> PWMB L168 HOLE BAIS L166 HOLE GAIN L167
TO MAIN CN(C-40) <TO LENS DRIVE/MAIN CN> V REF 1.5 L192
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.
AG-DVC7 MAIN(CONTROL)SCHEMATIC DIAGRAM
AG-DVC7 MAIN(CONTROL)SCHEMATIC DIAGRAM
23 24 25 26 27 28 29 30 31 32 33

8.15.1. CONTROL DC VOLTAGE CHART (SP MODE)

ICs DC VOLTAGE CHART (SP MODE)

Ref. No.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.5	0	0	1.7	0	1.8	2.8	0	0	2.8	0	0	2.8	2.8	2.8	2.8	2.7	2.7	2.9	2.7
PLAY	2.5	0	0	1.7	0	1.8	2.8	2.8	0	0.1	0	0	2.8	2.8	2.8	2.8	2.8	2.7	2.9	2.7
REC	2.5	0	0	1.7	0	1.8	2.8	2.8	0	0.1	0	0	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.7
F.F.	2.5	0	0	1.7	0	1.8	2.8	2.8	2.8	0.1	0	0	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8
REW	2.5	0	0	1.7	0	1.8	0	2.8	2.8	0.1	0	0	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.8
Ref. No.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	2.7	0	0	0	0	0	0	2.9	0.7	0	0	0	2.7	2.7	2.7	0	0	0.1	0	1.8
PLAY	2.7	0	0	0	0	0	0	2.9	0.7	0	0	0	2.7	2.7	2.7	0	0	0.1	0	1.8
REC	2.8	0	0	0	0	0	0	2.9	0.7	0	0	0	2.7	2.7	2.7	0	0	0.1	0	1.8
F.F.	2.8	0	0	0	0	0	0	2.9	0.7	0	0	0	2.7	2.7	2.7	0	0	0.1	0	1.8
REW	2.8	0	0	0	0	0	0	2.9	0.7	0	0	0	2.7	2.7	2.7	0	0	0.1	0	1.8
Ref. No.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	1.8	0.1	0
PLAY	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	1.8	0.1	0
REC	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	1.8	0.1	0
F.F.	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	1.8	0.1	0
REW	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	0	1.8	0.1	0
Ref. No.	IC2001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	0	0	0	2.9	1.8	0	2.9	2.7	2.7	4.1	2.8	2.8	0	0.2	-	0	0	0	-
PLAY	0	0	0	0	2.9	1.8	0	2.9	2.7	2.7	4.1	0	2.8	0	0.3	-	0	0	0	-
REC	0	0	0	0	2.9	1.8	0	2.9	2.7	2.7	4.8	2.8	2.8	0	0.3	-	0	0	0	-
F.F.	0	0	0	0	2.9	1.8	0	2.9	2.7	2.7	4.8	0	2.8	0	0.3	-	0	0	0	-
REW	0	0	0	0	2.9	1.8	0	2.9	2.7	2.7	4.8	0	2.8	0	0.3	-	0	0	0	-
Ref. No.	IC2001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0	2.8	0	0	1.7	1.4	1.4	-	0	0	0	-	1.8	2.5	0	1.4	1.4	0	0	0
PLAY	0	2.4	2.4	0	1.7	1.4	1.4	-	0	0	0	-	1.8	2.5	0	1.4	1.4	0	0	0
REC	0	1.4	1.4	0	1.7	1.4	1.4	-	0	0	0	-	1.8	2.5	0	1.4	1.4	0	0	0
F.F.	0	1.4	1.4	0	1.7	1.4	1.4	-	0	0	0	-	1.8	2.5	0	1.4	1.4	0	0	0
REW	0	1.4	1.4	0	1.7	1.4	1.4	-	0	0	0	-	1.8	2.5	0	1.4	1.4	0	0	0
Ref. No.	IC2001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
STOP	0	0	0	0	2.5	0	0	-	0	-	-	1.7	1.8	1.7	0	-	0	0	2.8	0
PLAY	0	0	0	0	2.5	0	0	-	0	-	-	1.7	1.8	1.7	0	-	0	0	2.8	0
REC	0	0	0	0	2.5	0	0	-	0	-	-	1.7	1.8	1.7	0	-	0	0	2.8	0
F.F.	0	0	0	0	2.5	0	0	-	0	-	-	1.7	1.8	1.7	0	-	0	0	2.8	0
REW	0	0	0	0	2.5	0	0	-	0	-	-	1.7	1.8	1.7	0	-	0	0	2.8	0
Ref. No.	IC2001																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
STOP	0	-	0	-	-	-	-	-	-	2.9	0	-	-	-	-	2.9	0	1.9	0	0
PLAY	0	-	0	-	-	-	-	-	-	2.9	0	-	-	-	-	2.9	0	1.9	0	0
REC	0	-	0	-	-	-	-	-	-	2.9	0	-	-	-	-	2.9	0	1.9	0	0
F.F.	0	-	0	-	-	-	-	-	-	2.9	0	-	-	-	-	2.9	0	1.9	0	0
REW	0	-	0	-	-	-	-	-	-	2.9	0	-	-	-	-	2.9	0	1.9	0	0
Ref. No.	IC2001																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
STOP	0	2.9	0	0	0	1.4	0	2.8	2.9	0	2.8	0	2.8	2.5	1.4	0	1.4	2.5	0	0
PLAY	0	2.9	0	0	0	1.4	0	2.8	2.9	0	2.8	0	2.8	2.5	1.4	0	1.4	2.5	0	0
REC	0	2.9	0	0	0	1.4	0	2.8	2.9	0	2.8	0	2.8	2.5	1.4	0	1.4	2.5	0	0
F.F.	0	2.9	0	0	0	1.4	0	2.8	2.9	0	2.8	0	2.8	2.5	1.4	0	1.4	2.5	0	0
REW	0	2.9	0	0	0	1.4	0	2.8	2.9	0	2.8	0	2.8	2.5	1.4	0	1.4	2.5	0	0
Ref. No.	IC2001																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
STOP	2.8	2.8	-	2.9	-	0	0	-	0	2.9	1.4	2.8	2.9	2.9	4.1	-	0	0	-	-
PLAY	2.8	2.0	-	2.9	-	0	0	-	0	2.9	1.4	2.8	2.9	2.9	4.1	-	0	0	-	-
REC	2.8	2.8	-	2.9	-	0	0	-	0	2.9	1.4	2.8	2.9	2.9	4.1	-	0	0	-	-
F.F.	2.8	2.0	-	2.9	-	0	0	-	0	2.9	1.4	2.8	2.9	2.9	4.1	-	0	0	-	-
REW	2.8	2.0	-	2.9	-	0	0	-	0	2.9	1.4	2.8	2.9	2.9	4.1	-	0	0	-	-
Ref. No.	IC2001																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
STOP	0	-	2.4	-	2.8	0.5	2.8	2.8	2.8	2.8	2.8	0	0	0	2.9	2.5	0	2.8	2.8	0
PLAY	0	-	2.4	-	2.8	0.8	2.8	2.8	2.8	2.8	2.8	0	0	0	2.9	2.5	0	2.8	2.8	0
REC	0	-	2.4	-	2.8	1.2	2.8	2.8	2.8	2.8	2.8	0	0	0	2.9	2.5	0	2.8	2.8	0
F.F.	0	-	2.4	-	2.8	1.2	2.8	2.8	2.8	2.8	2.8	0	0	0	2.9	2.5	0	2.8	2.8	0
REW	0	-	2.4	-	2.8	1.2	2.8	2.8	2.8	2.8	2.8	0	0	0	2.9	2.5	0	2.8	2.8	0
Ref. No.	IC2001																			
MODE	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
STOP	2.8	-	0	0	0	0	0	0.1	1.5	0	2.9	2.8	0	2.9	3.3	0	2.7	1.4	1.4	0
PLAY	2.8	-	0	0	0	0	0	0.1	1.5	0	2.9	2.8	0	2.9	3.3	0	3.3	1.4	1.4	0
REC	2.8	-	0	0	0	0	0	0.1	1.5	0	2.9	2.8	0	2.9	3.3	0	2.7	1.4	1.4	0
F.F.	2.8	-	0	0	0	0	0	0.1	1.5	0	2.9	2.8	0	2.9	3.3	0	2.7	1.4	1.4	0
REW	2.8	-	0	0	0	0	0	0.1	1.5	0	2.9	2.8	0	2.9	3.3	0	2.7	1.4	1.4	0
Ref. No.	IC2001																			
MODE	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
STOP	0	-	2.5	-	-	-	-	0	0	2.8	0	0	0	2.9	0	1.4	2.8	0	0	0
PLAY	0	-	2.5	-	-	-	-	0	0	2.8	0	0	0	2.9	0	0	0	0	0	0
REC	0	-	2.5	-	-	-	-	0	0	2.8	0	0	0	2.9	0	0	0	0	0	0
F.F.	0	-	2.5	-	-	-	-	0	0	2.8	0	0	0	2.9	0	0	0	0	0	0
REW	0	-	2.5	-	-	-	-	0	0	2.8	0	0	0	2.9	0	2.8	0	0	0	0

Ref. No.	IC2001																			
MODE	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260
STOP	2.5	2.9	2.9	2.9	0	0	0	0	0	2.7	0	0.1	0	0	0	0.2	0	0	0	0
PLAY	2.5	2.9	2.9	2.9	0	0	0	0	0	2.7	0	0.1	0	0	0	0.2	0	0	0	0
REC	2.5	2.9	2.9	2.9	0	0	0	0	0	2.7	0	0.1	0	0	0	0.2	0	0	0	0
F.F.	2.5	2.9	2.9	2.9	0	0	0	2.8	0	2.7	0	0.1	0	0	0	0.2	0	0	0	0
REW	2.5	2.9	2.9	2.9	0	0	0	0	0	2.7	0	0.1	0	0	0	0.2	0	0	0	0
Ref. No.	IC2001			IC2002																
MODE	261			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
STOP	0			2.2	1.5	1.7	2.8	3.3	3.3	0	3.3	1.8	1.8	0	2.9	0	3.3	3.3	3.3	0.7
PLAY	0			2.2	1.5	1.7	2.8	3.3	3.3	0	3.3	1.8	1.8	0	2.9	0	3.3	3.3	3.3	0.7
REC	0			2.2	1.5	1.7	2.8	3.3	3.3	0	3.3	1.8	1.8	0	2.9	0	3.3	3.3	3.3	0.7
F.F.	0			2.2	1.5	1.7	2.8	3.3	3.3	0	3.3	1.8	1.8	0	2.9	0	3.3	3.3	3.3	0.7
REW	0			2.2	1.5	1.7	2.8	3.3	3.3	0	3.3	1.8	1.8	0	2.9	0	3.3	3.3	3.3	0.7
Ref. No.	IC2002																IC2003			
MODE	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		1	2	3	4
STOP	3.3	0	0	3.3	3.3	0	3.3	3.3	2.5	2.5	2.9	3.3	0	0	3.3		0	7.9	3.3	-
PLAY	3.3	0	0	3.3	3.3	0	3.3	3.3	2.5	2.5	2.9	3.3	0	0	3.3		0	7.9	3.3	-
REC	3.3	0	0	3.3	3.3	0	3.3	3.3	2.5	2.5	2.9	3.3	0	0	3.3		0	7.9	3.3	-
F.F.	3.3	0	0	3.3	3.3	0	3.3	3.3	2.5	2.5	2.9	3.3	0	0	3.3		0	7.9	3.3	-
REW	3.3	0	0	3.3	3.3	0	3.3	3.3	2.5	2.5	2.9	3.3	0	0	3.3		0	7.9	3.3	-
Ref. No.	IC2004						IC2005													
MODE	1	2	3	4			1	2	3	4	5	6	7	8						
STOP	3.3	3.3	-	0			0	1.4	1.4	0	1.5	1.5	1.5	4.8						
PLAY	3.3	3.3	-	0			0	1.4	1.4	0	1.5	1.5	1.5	4.8						
REC	3.3	3.3	-	0			0	1.4	1.4	0	1.5	1.5	1.5	4.8						
F.F.	3.3	3.3	-	0			0	1.4	1.4	0	1.5	1.5	1.5	4.8						
REW	3.3	3.3	-	0			0	1.4	1.4	0	1.5	1.5	1.5	4.8						
Ref. No.	IC2006										IC2007									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8		
STOP	2.8	0	1.5	0	1.5	0	1.8	4.8			3.3	0.2	0.6	0	0.3	2.9	2.9	3.3		
PLAY	2.4	0	1.5	0	1.5	0	2.4	4.8			3.3	0.2	0.6	0	0.3	2.9	2.9	3.3		
REC	1.4	0	1.5	0	1.5	0	1.4	4.8			3.3	0.2	0.6	0	0.3	2.9	2.9	3.3		
F.F.	1.4	0	1.5	0	1.5	0	1.4	4.8			3.3	0.2	0.6	0	0.3	2.9	2.9	3.3		
REW	1.4	0	1.5	0	1.5	0	1.4	4.8			3.3	0.2	0.6	0	0.3	2.9	2.9	3.3		
Ref. No.	IC2008										IC2009									
MODE	1	2	3	4	5	6	7	8			1	2	3	4	5	6	7	8	9	10
STOP	2.8	2.9	0.9	2.9	0	0	-	2.9			0	0	2.0	1.2	1.2	1.5	-	-	1.5	2.9
PLAY	2.8	2.9	0.9	2.9	0	0	-	2.9			0	0	2.0	1.2	1.2	1.5	-	-	1.5	2.9
REC	2.8	2.9	0.9	2.9	0	0	-	2.9			0	0	2.0	1.2	1.2	1.5	-	-	1.5	2.9
F.F.	2.8	2.9	0.9	2.9	0	0	-	2.9			0	0	2.0	1.2	1.2	1.5	-	-	1.5	2.9
REW	2.8	2.9	0.9	2.9	0	0	-	2.9			0	0	2.0	1.2	1.2	1.5	-	-	1.5	2.9
Ref. No.	IC2009																			
MODE	11	12	13	14	15	16	17	18	19	20										
STOP	2.9	0	-	-	0	2.9	1.0	0.5	0.9	0										
PLAY	2.9	0	-	-	0	2.9	1.0	0.5	0.9	0										
REC	2.9	0	-	-	0	2.9	1.0	0.5	0.9	0										
F.F.	2.9	0	-	-	0	2.9	1.0	0.5	0.9	0										
REW	2.9	0	-	-	0	2.9	1.0	0.5	0.9	0										

TRs DC VOLTAGE CHART (SP MODE)

Ref. No.	Q2007				Q2011							QR2001				QR2002			
MODE	E	C	B		1	2	3	4	5	6		E	C	B		E	C	B	
STOP	2.9	2.9	2.9		0	0	0	4.8	4.4	7.9		2.9	2.9	0		0	0.1	1.7	
PLAY	2.9	2.9	2.9		0	0	0	4.8	4.4	7.9		2.9	2.9	0		0	0.1	1.7	
REC	2.9	2.9	2.9		0	0	0	4.8	4.4	7.9		2.9	2.9	0		0	0.1	1.7	
F.F.	2.9	2.9	2.9		0	0	0	4.8	4.4	7.9		2.9	2.9	0		0	0.1	1.7	
REW	2.9	2.9	2.9		0	0	0	4.8	4.4	7.9		2.9	2.9	0		0	0.1	1.7	
Ref. No.	QR2005				QR2006							QR2008							
MODE	E	C	B		1	2	3	4	5	6		E	C	B					
STOP	0	0	3.3		2.9	3.3	2.8	2.9	0	0		2.9	0	3.3					
PLAY	0	0	3.3		2.9	3.3	2.8	2.9	0	0		2.9	0	3.3					
REC	0	0	3.3		2.9	3.3	2.8	2.9	0	0		2.9	0	3.3					
F.F.	0	0	3.3		2.9	3.3	2.8	2.9	0	0		2.9	0	3.3					
REW	0	0	3.3		2.9	3.3	2.8	2.9	0	0		2.9	0	3.3					

AG-DVC7
CONTROL DC VOLTAGE CHART
(SP MODE)

8.15.2. CONTROL I/O TABLE

IC2001 : CONTROL MICROCOMPUTER

Pin No.	Signal Name	I/O	Explanation
1	VCC	I	Voltage
2	UNLOAD	O	Mecha.Unlord
3	LOAD	O	Mecha.Load
4	SPK ON Ⓗ	O	Speaker ON/OFF
5	MODE SW	I	Mode SW
6	VCCB0	I	Voltage
7	POS1	I	Mecha. Position SW
8	POS2	I	Mecha. Position SW
9	POS3	I	Mecha. Position SW
10	S TAB SW	I	Safety Tab SW
11	MENU SW	-	-
12	VSS	-	GND
13	KEYIN1	I	KEY Scan IN1
14	KEYIN2	I	KEY Scan IN2
15	KEYIN3	I	KEY Scan IN3
16	KEYIN4	I	KEY Scan IN4
17	SCAN1	O	KEY Scan OUT1
18	SCAN2	O	KEY Scan OUT2
19	VCCB1	I	Voltage
20	SCAN3	O	KEY Scan OUT3
21	SCAN4	O	KEY Scan OUT4
22	T PHT SW2	I	Tape Take-up Photo Sensor ADJ.
23	VSS	-	GND
24	T PHT SW1	I	Tape Take-up Photo Sensor ADJ.
25	S PHT SW2	I	Tape Supply Photo Sensor ADJ.
26	S PHT SW1	I	Tape Supply Photo Sensor ADJ.
27	NC	-	-
28	VCCB1	I	Voltage
29	ALIVED	O	ALIVE
30	IRIS OPEN	O	Iris Open
31	VSUBCNT	-	-
32	CARD PRO	-	-
33	MIC ON	O	MIC ON (MIC/Contact ID)
34	SNS LED	O	Tape Sensor LED
35	LCD1 CS	O	LCD Chip Select
36	LCD RVS	I	LCD Reverse Detect
37	LCD OPEN	I	LCD Open/Close Detect
38	ADM15	I/O	Data
39	VSS	-	GND
40	VCCB2	I	Voltage
41	ADM14	I/O	Data
42	ADM13	I/O	Data
43	ADM12	I/O	Data
44	ADM11	I/O	Data
45	ADM10	I/O	Data
46	ADM9	I/O	Data
47	ADM8	I/O	Data
48	VSS	-	GND
49	ADM7	I/O	Data
50	ADM6	I/O	Data
51	ADM5	I/O	Data
52	ADM4	I/O	Data
53	ADM3	I/O	Data
54	ADM2	I/O	Data
55	ADM1	I/O	Data
56	ADM0	I/O	Data
57	BRⒽ	-	-
58	VCCB2	I	Voltage
59	BG IN	-	-
60	VSS	-	GND
61	AS	I	AS

Pin No.	Signal Name	I/O	Explanation
62	XRE	O	X Read Enable
63	XWEⒽ	I	X Write Enable ON/OFF
64	XWEⓁ	I	X Write Enable ON/OFF
65	FVCC	I	Voltage
66	VCCP1	I	Voltage
67	CNA[PLANET]	I	CNA
68	PNO[PLANET]	O	PNO
69	XLRST	O	XL Reset
70	XPRST	O	XP Reset
71	LCD ONⒽ	O	LCD ON
72	CCD ONⒽ	O	CCD ON
73	VTR TESTⓁ	I	VTR Test Signal
74	DOOR OPEN	-	-
75	TORQU LIMIT	O	Capstan Torque Limit
76	SYNC DET	I	SYNC Detect
77	A MUTEⒽ	O	Audio Mute
78	HP MUTE Ⓗ	O	Headphone Mute
79	DET TIME	O	AV Detect
80	LM TD	-	-
81	EX PAUSE	O	Ext Pause
82	T REEL	I	Take-up Reel Pulse
83	S REEL	I	Supply Reel Pulse
84	VSS	-	GND
85	SBA CS	O	Sub Audio Serial Chip Select
86	HID	I	HSW
87	FRP	I	Frame Reference Pulse
88	A FRP	I	Frame Reference Pulse
89	S PLUGⓁ	I	S Plug ON/OFF
90	PLUG INⓁ	I	AV Terminal ON/OFF
91	NC	-	-
92	SPA	O	ATF Sampling Pulse
93	VCCP1	I	Voltage
94	REMOCON	I	Remote Control Pulse
95	SSP [TSA]	I	SSP
96	CAP FG	I	Capstan FG
97	CYL FG	I	Cylinder FG
98	HP PLUGⓁ	I	Headphone Plug ON/OFF
99	NC	-	-
100	AF/MF	I	AF/MF Select SW
101	EXT MIC	I	Exit Mic
102	CAM MNL	I	Camera Manual
103	CAM MOD	I	Camera Mode
104	VSS	-	GND
105	VCC	I	Voltage
106	XRST	O	X Reset
107	SIF XRST	O	SIF X Reset
108	V1V2	I	Act Detect End
109	NC	-	-
110	DV INT	O	Digital Interface
111	BEND	I	Data Block End Request
112	SBA CLK	O	Sub Audio Serial Clock
113	VCCP1	I	Voltage
114	SBA DTI	I	Sub Audio Serial Data In
115	SBA DTO	O	Sub Audio Serial Data Out
116	SIF SCK	O	SIF Serial Clock
117	SIF DTI	I	SIF Serial Data In
118	SIF DTO	O	SIF Serial Data Out
119	A ONⒽ	O	Audio Line ON/OFF
120	V ONⒽ	O	Video Line ON/OFF
121	HP ONⒽ	O	Headphone Line ON/OFF
122	SIF CS	O	SIF Chip Select

Pin No.	Signal Name	I/O	Explanation
123	VSS	-	GND
124	TRDATA7	-	-
125	TRDATA6	-	-
126	TRDATA5	-	-
127	TRDATA4	-	-
128	TRDATA3	-	-
129	TRDATA2	-	-
130	VCCJ	I	Voltage
131	VSS	-	GND
132	TRDATA1	-	-
133	TRDATA0	-	-
134	TRSYNC	-	-
135	EVENT0	-	-
136	FVCC	I	Voltage
137	EVENT1	-	NC
138	TDO	O	TDO
139	TDI	I	TDI
140	TMS	I	TMS
141	TCK	I	TCK
142	VCCJ	I	Voltage
143	TRCLK	-	-
144	VSS	-	GND
145	TRST	I	T Reset
146	DBI	-	-
147	CARD DET	-	-
148	FP	I	FP
149	VCCP0	I	Voltage
150	MODE	I	Mode Signal
151	BMODE	-	-
152	VSS	-	GND
153	RESET	O	Reset Signal
154	OSC VCC	I	Voltage
155	XIN	I	Clock (27MHz)
156	OSC VSS	-	GND
157	X OUT	O	Clock (27MHz)
158	PLL VCC	I	Voltage
159	PLL CAP	-	-
160	PLL VSS	-	GND
161	TXD	O	RS232C Data
162	RXD	I	RS232C Data
163	OLUX CNT	-	-
164	CAM CS	O	Camera Chip Select
165	AFST	O	Process Timing Pulse
166	EVF CS	O	EVF Chip Select
167	EE CS	O	EEPROM Chip Select
168	DSC WAKEUP	-	-
169	VSS	-	GND
170	VCCP0	I	Voltage
171	4.5M	O	Clock (4.5MHz)
172	BL BRIGHTⒽ	O	Back Light Control
173	LCD BL CNT	O	LCD Back Light Control
174	EVF BL CONT	O	EVF Back Light Control
175	EVF ON	O	EVF ON
176	DSC DTO	-	-
177	DSC DTI	-	-
178	VSS	-	GND
179	DSC CLK	-	-
180	DSC FRP	-	-
181	DAC LD	O	DAC Load Pulse
182	5P DO	-	-
183	5P DI	-	-

Pin No.	Signal Name	I/O	Explanation
184	5P CLK	-	-
185	EE DTO	O	EEPROM & DAC Data Out
186	EE DTI	I	EEPROM & DAC Data In
187	EE CLK	O	EEPROM & DAC Clock
188	RTC DO	O	RTC Serial Data Out
189	RTC DI	I	RTC Serial Data In
190	RTC CLK	O	RTC Serial Clock
191	RTC CS	O	RTC Handshake
192	EVR SO	O	EVR Serial Data Out
193	EVR SI	I	EVR Serial Data In
194	EVR SCK	O	EVR Serial Clock
195	VCCP0	I	Voltage
196	VCC	I	Voltage
197	CAM TST	O	Camera Test
198	MIC DATA	O	MIC Data In/Out
199	MIC CLK	O	MIC Serial Clock
200	VSS	-	GND
201	VD	I	Vertical Drive Pulse
202	AFDR CS INT	I	AFDR Chip Select
203	FENC	O	Lens F-Value
204	NC	-	-
205	MENU ENC1	I	Mene Encoder 1
206	MENU ENC2	I	Mene Encoder 2
207	NC	-	-
208	INPUT SEL	O	Input Serect
209	CAP ERR	O	Capstan Error
210	CYL ERR	O	Cylinder Error
211	MF RING SW	O	MF Ring SW
212	CAM D3 OFF	O	Camera 3V Voltage Control
213	A MUTEⒽ	O	Audio Mute ON/OFF
214	VCCP0	I	Voltage
215	OSD XIN	I	OSD Clock
216	VSS	-	GND
217	OSD XOUT	-	-
218	V SYNC	I	V SYNC
219	H SYNC	I	H SYNC
220	AV INⒽ	O	AV IN ON/OFF
221	LED CNT	O	LED Control
222	HP VOL	-	-
223	VCC	I	Voltage
224	CHR R	O	Character Generation R
225	CHR G	O	Character Generation G
226	CHR B	O	Character Generation B
227	CHR BLK	O	Character Generation Blanking
228	CHR Y	O	Character Generation Y
229	CHR BLK1	O	Character Generation Blanking
230	AFDR CS	O	AFDR Chip Select
231	ZENC	O	Zoom Encoder
232	AFDR RST	O	AFDR Reset
233	AFDR VD	O	AFDR Vertical Drive
234	VCCP0	I	Voltage
235	VSS	-	GND
236	CAP RSF	O	Capstan ON
237	CYL ON	O	Cylinder ON
238	XC IN	-	-
239	VSS	-	GND
240	XC OUT	-	-
241	VCCR	I	Voltage
242	AVREF	I	Voltage
243	AVCC	I	Voltage
244	MIC AD1	I	Voltage

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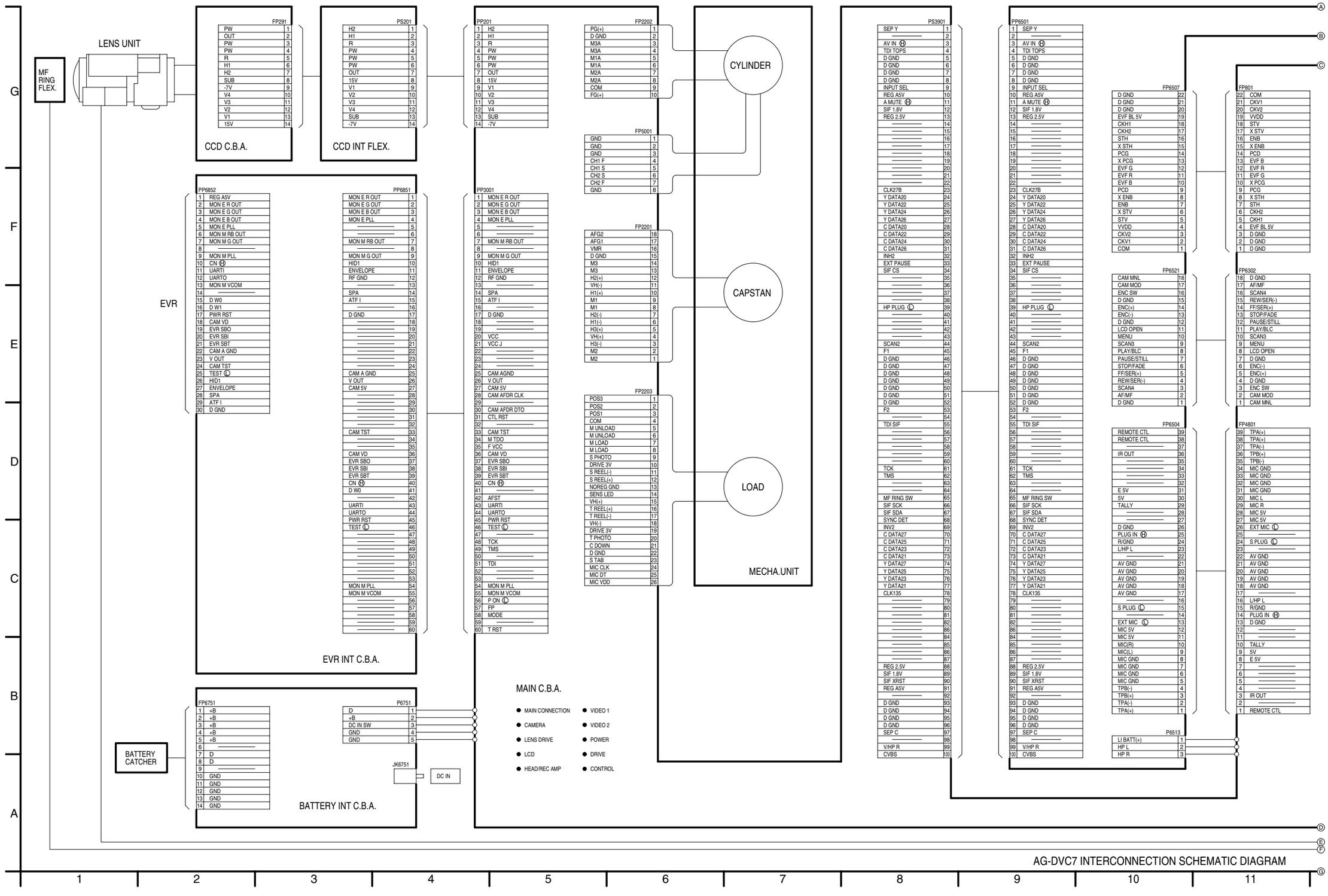
CONTROL I/O TABLE

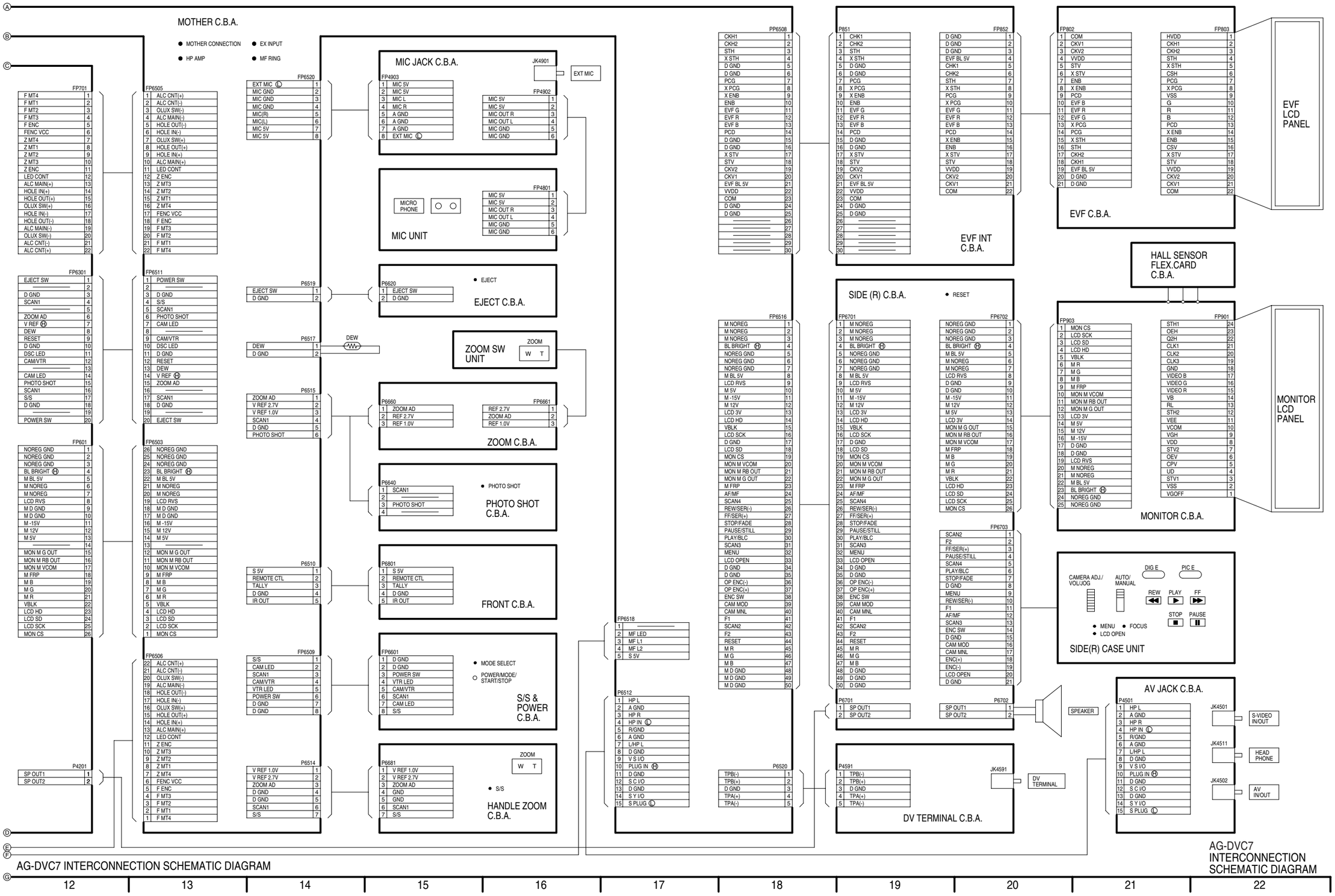
Pin No.	Signal Name	I/O	Explanation
245	MIC AD2	I	Contact ID Detect 2
246	MIC AD3	I	Contact ID Detect 3
247	S PHOTO	I	Tape Take-up Photo Sensor Detect
248	T PHOTO	I	Dew Detect
249	NC	-	-
250	PC RST	I	PC Reset Signal Detect
251	ZOOM SW	I	Zoom SW
252	HP DETⓁ	I	Headphone Detect
253	IR OUT	I	IR Out

Pin No.	Signal Name	I/O	Explanation
254	F OUT	I	F Out
255	OLUX SW	O	OLUX SW
256	AFDREXF	I	AFDR EX Focus
257	AFDREXZ	I	AFDR EX Zoom
258	WIDE DET	-	-
259	NC	-	-
260	AVSS	-	GND
261	VSS	-	GND

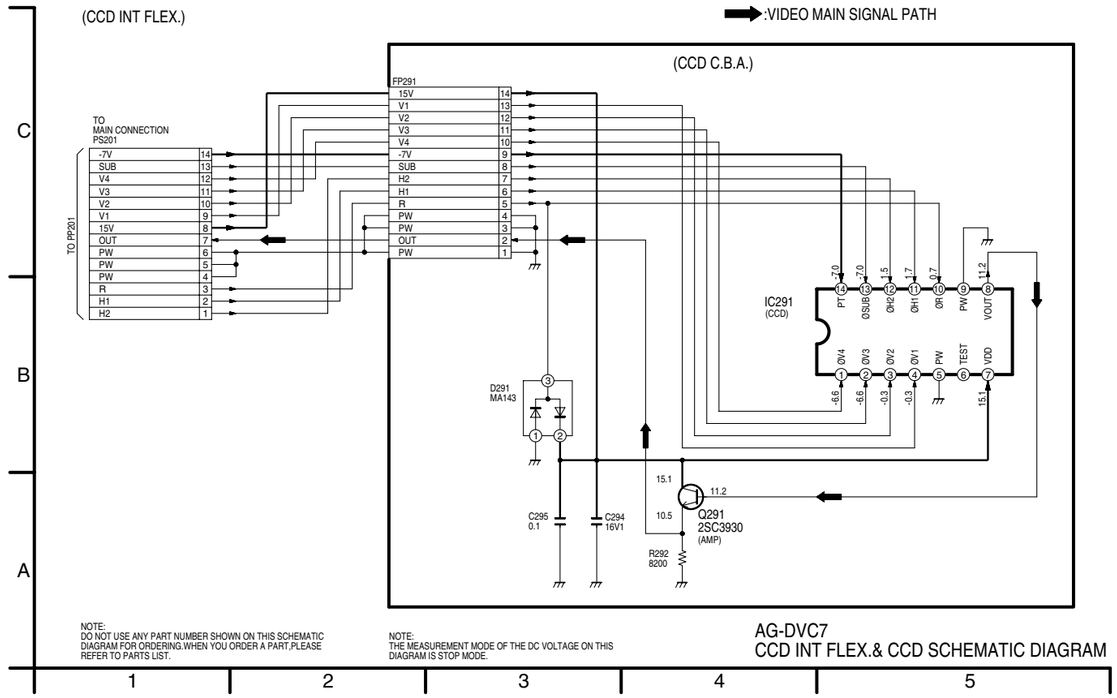
8.16. INTERCONNECTION SCHEMATIC DIAGRAM



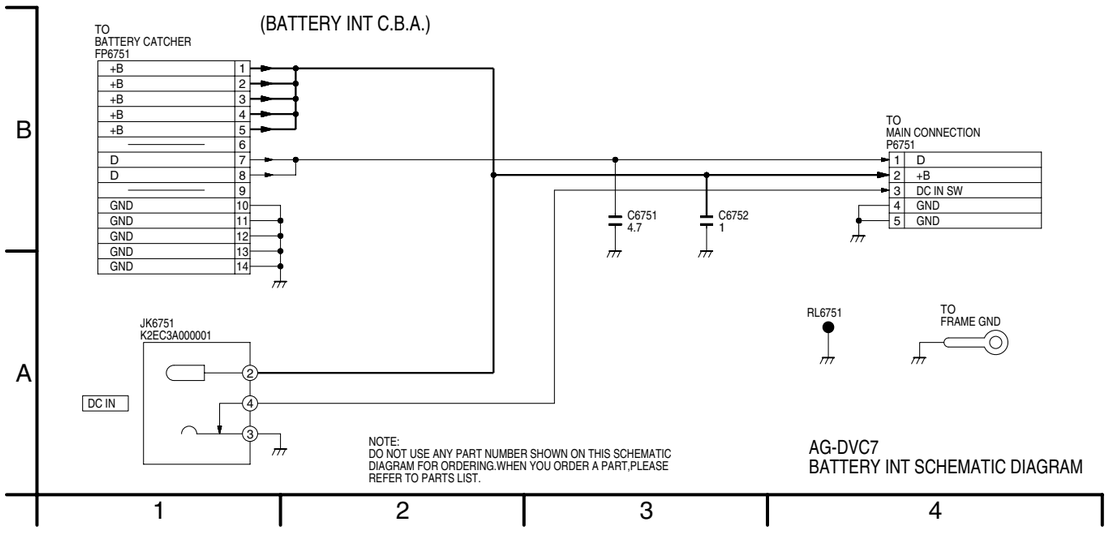
AG-DVC7 INTERCONNECTION SCHEMATIC DIAGRAM


MOTHER C.B.A.
MOTHER CONNECTION
EX INPUT
HP AMP
MF RING
MIC JACK C.B.A.
JK4901
EXT MIC
MIC UNIT
MICRO PHONE
EJECT C.B.A.
EJECT
ZOOM SW UNIT
ZOOM
W T
DEW
ZOOM C.B.A.
PHOTO SHOT C.B.A.
PHOTO SHOT
FRONT C.B.A.
S/S & POWER C.B.A.
MODE SELECT
POWER/MODE/ START/STOP
HANDLE ZOOM C.B.A.
ZOOM
S/S
EVF INT C.B.A.
EVF C.B.A.
EVF LCD PANEL
HALL SENSOR FLEX.CARD C.B.A.
SIDE (R) C.B.A.
RESET
MONITOR C.B.A.
MONITOR LCD PANEL
SIDE(R) CASE UNIT
CAMERA ADJ./ VOL/JOG
AUTO/ MANUAL
DIG E
PIC E
REW
PLAY
FF
STOP
PAUSE
MENU
FOCUS
LCD OPEN
AV JACK C.B.A.
S-VIDEO IN/OUT
HEAD PHONE
AV IN/OUT
SPEAKER
DV TERMINAL
DV TERMINAL C.B.A.
AG-DVC7 INTERCONNECTION SCHEMATIC DIAGRAM
AG-DVC7 INTERCONNECTION SCHEMATIC DIAGRAM

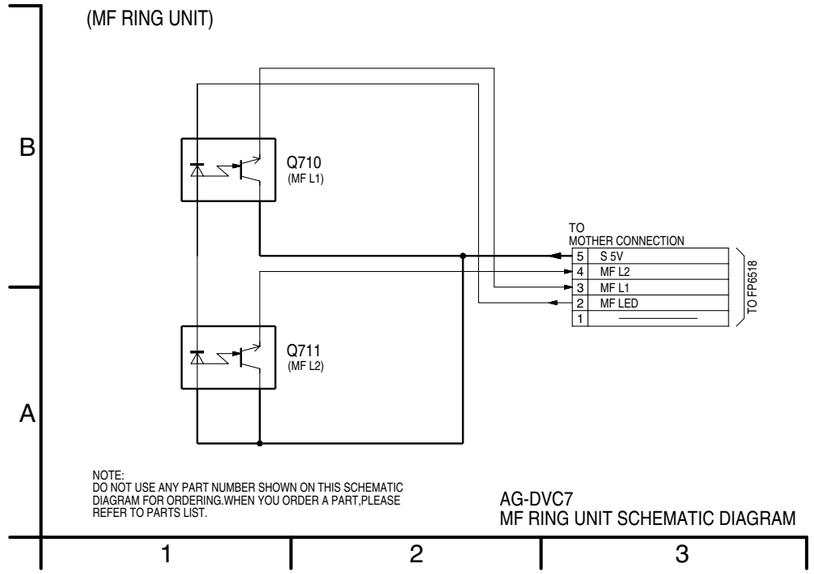
8.17. CCD INT FLEX. & CCD SCHEMATIC DIAGRAM



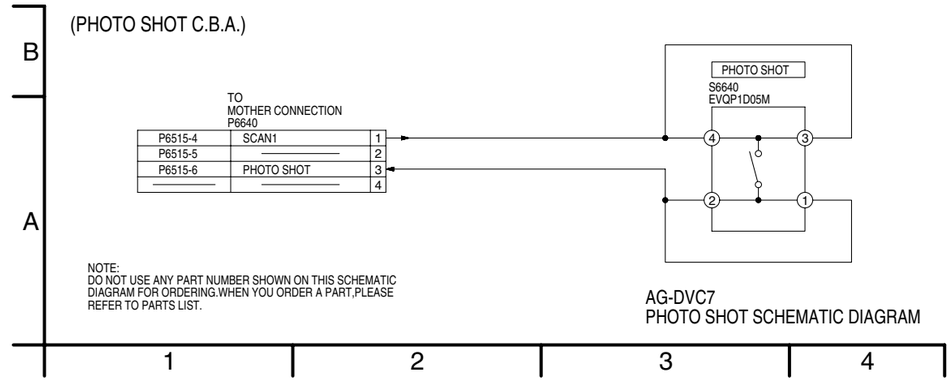
8.18. BATTERY INT SCHEMATIC DIAGRAM



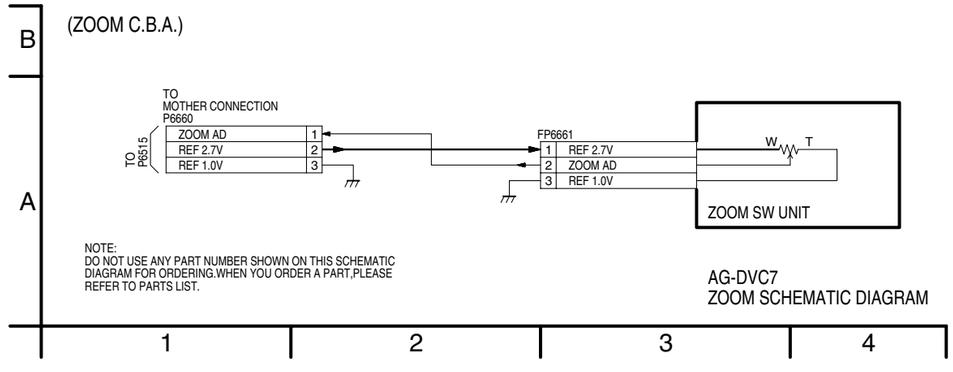
8.19. MF RING UNIT SCHEMATIC DIAGRAM



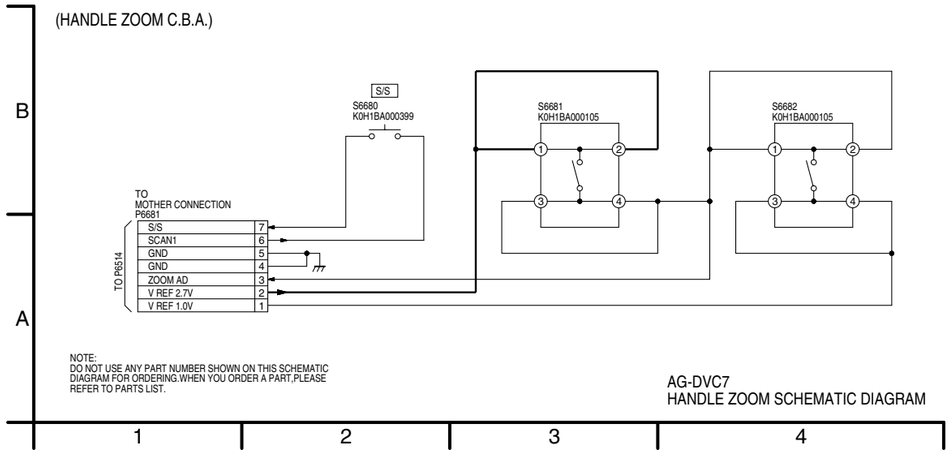
8.20. PHOTO SHOT SCHEMATIC DIAGRAM



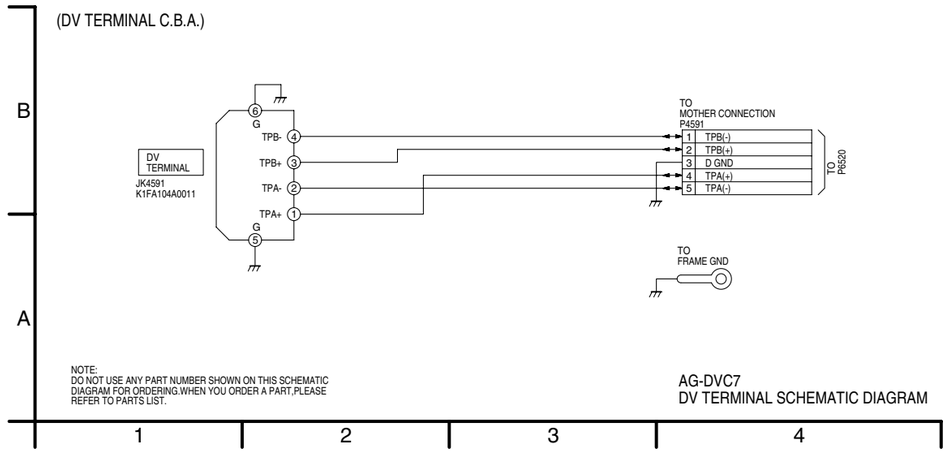
8.21. ZOOM SCHEMATIC DIAGRAM



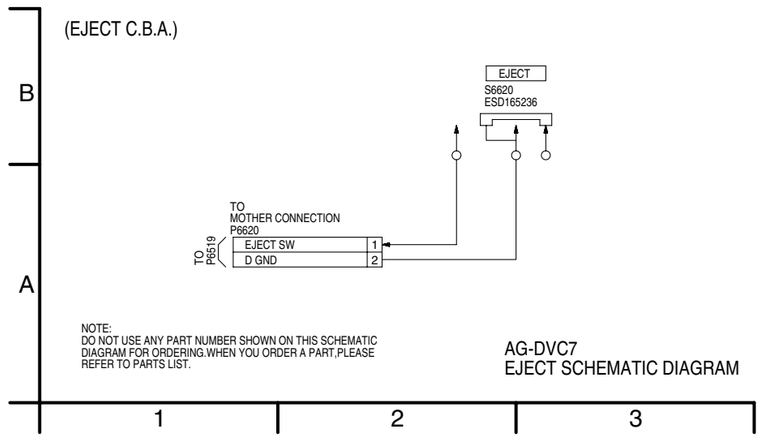
8.22. HANDLE ZOOM SCHEMATIC DIAGRAM



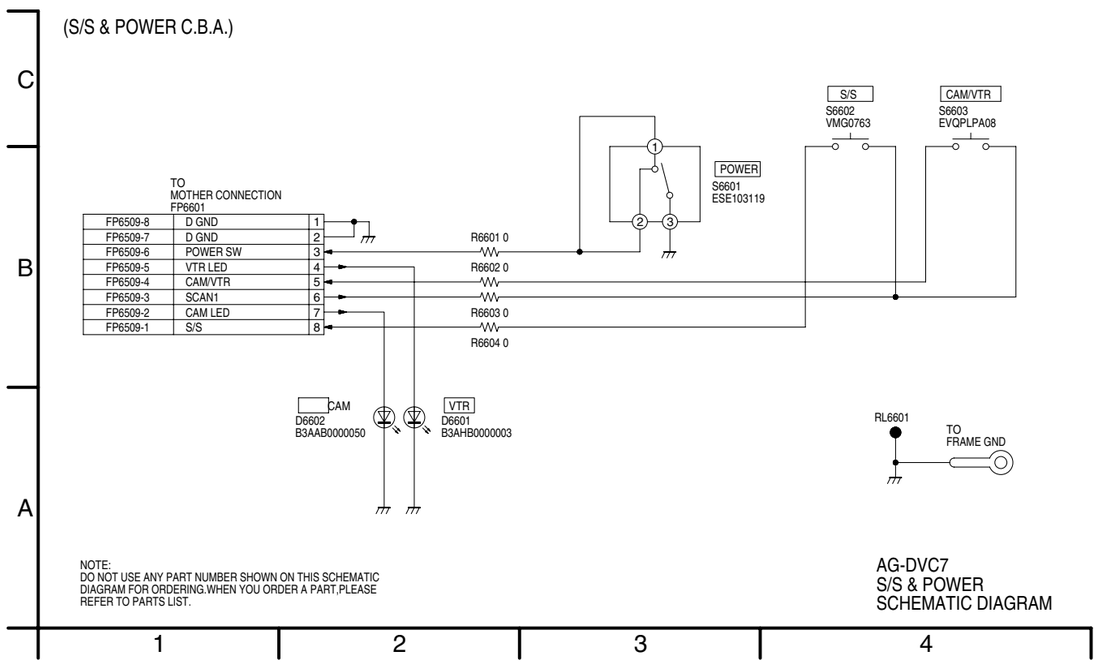
8.23. DV TERMINAL SCHEMATIC DIAGRAM



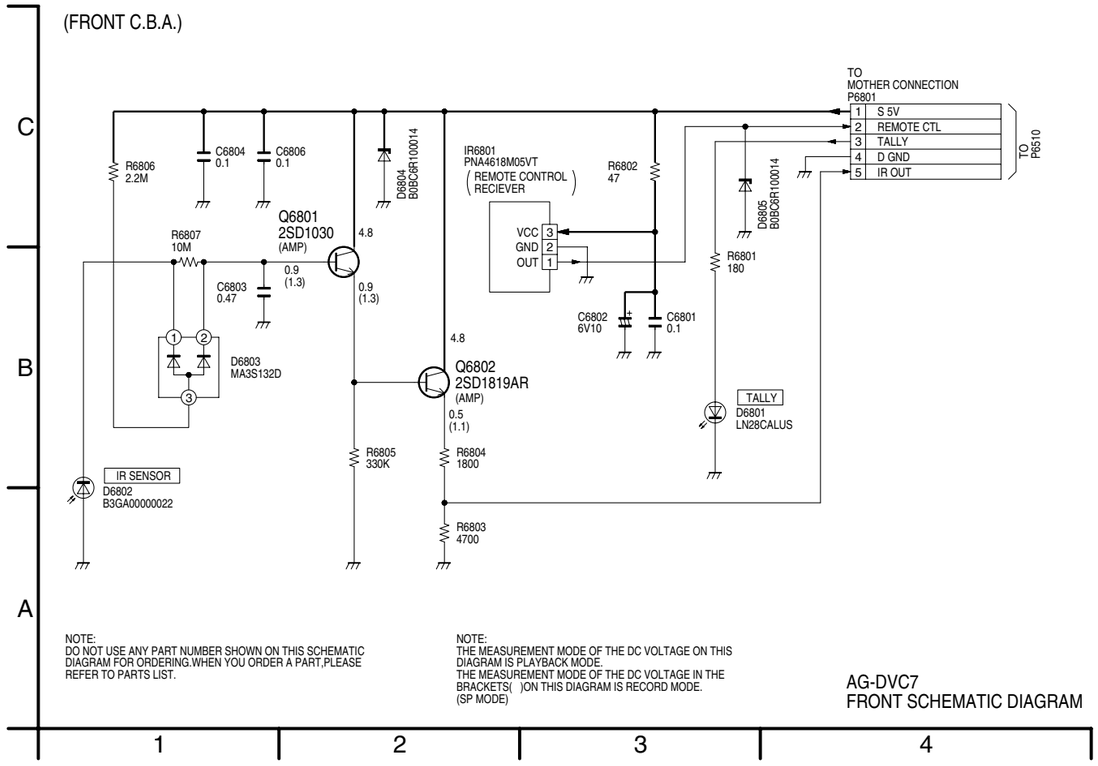
8.24. EJECT SCHEMATIC DIAGRAM



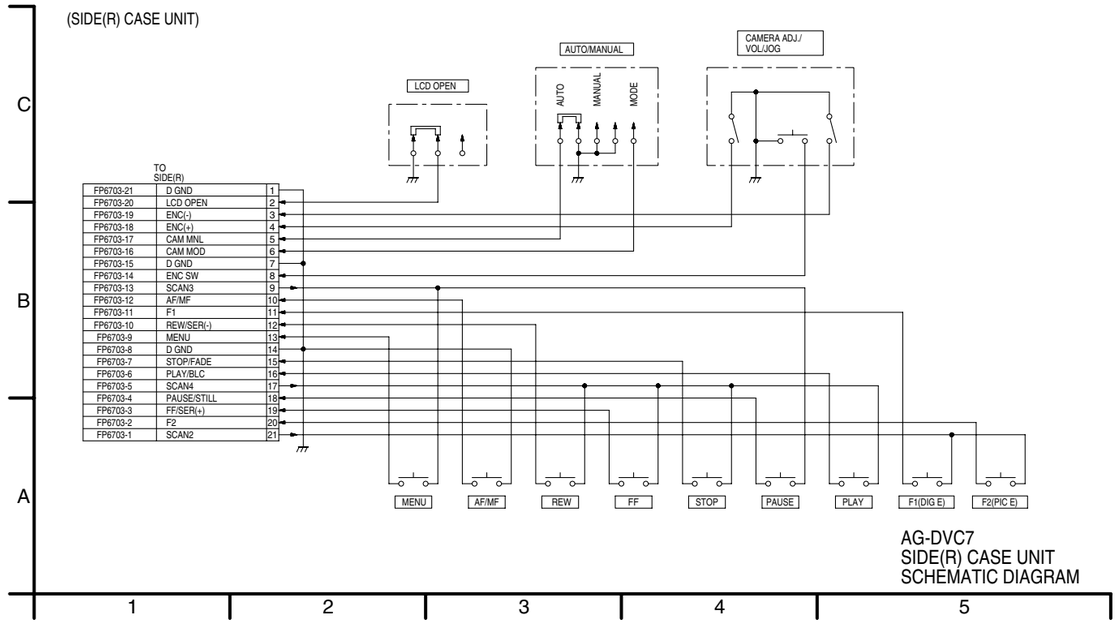
8.25. S/S & POWER SCHEMATIC DIAGRAM



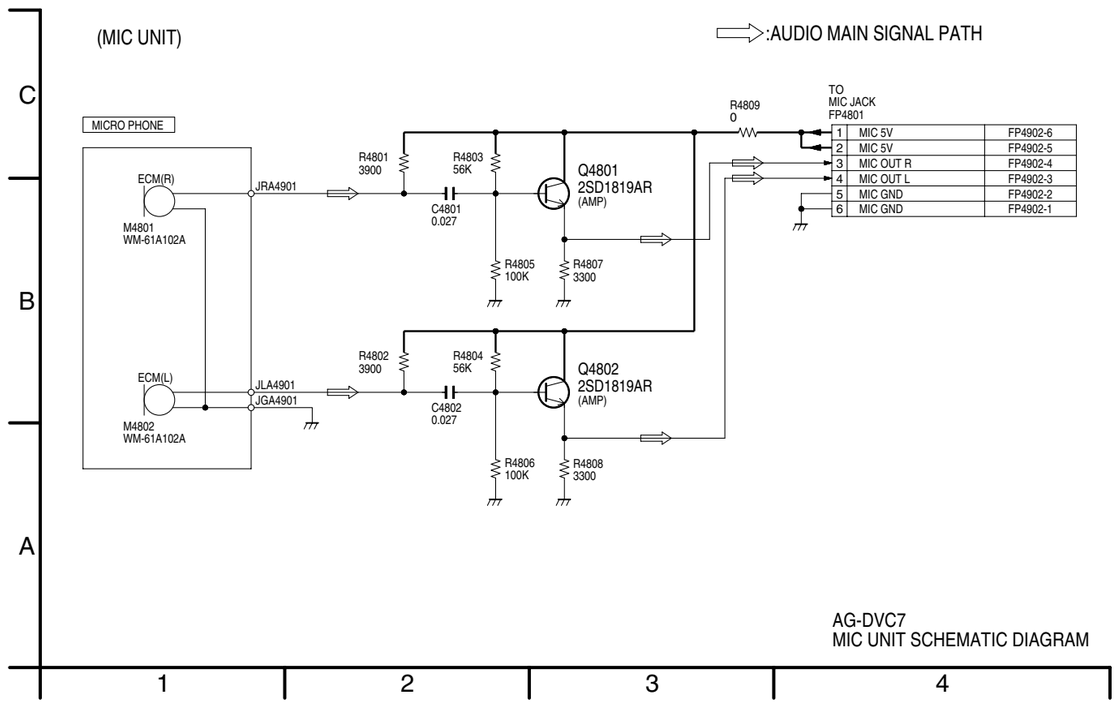
8.26. FRONT SCHEMATIC DIAGRAM



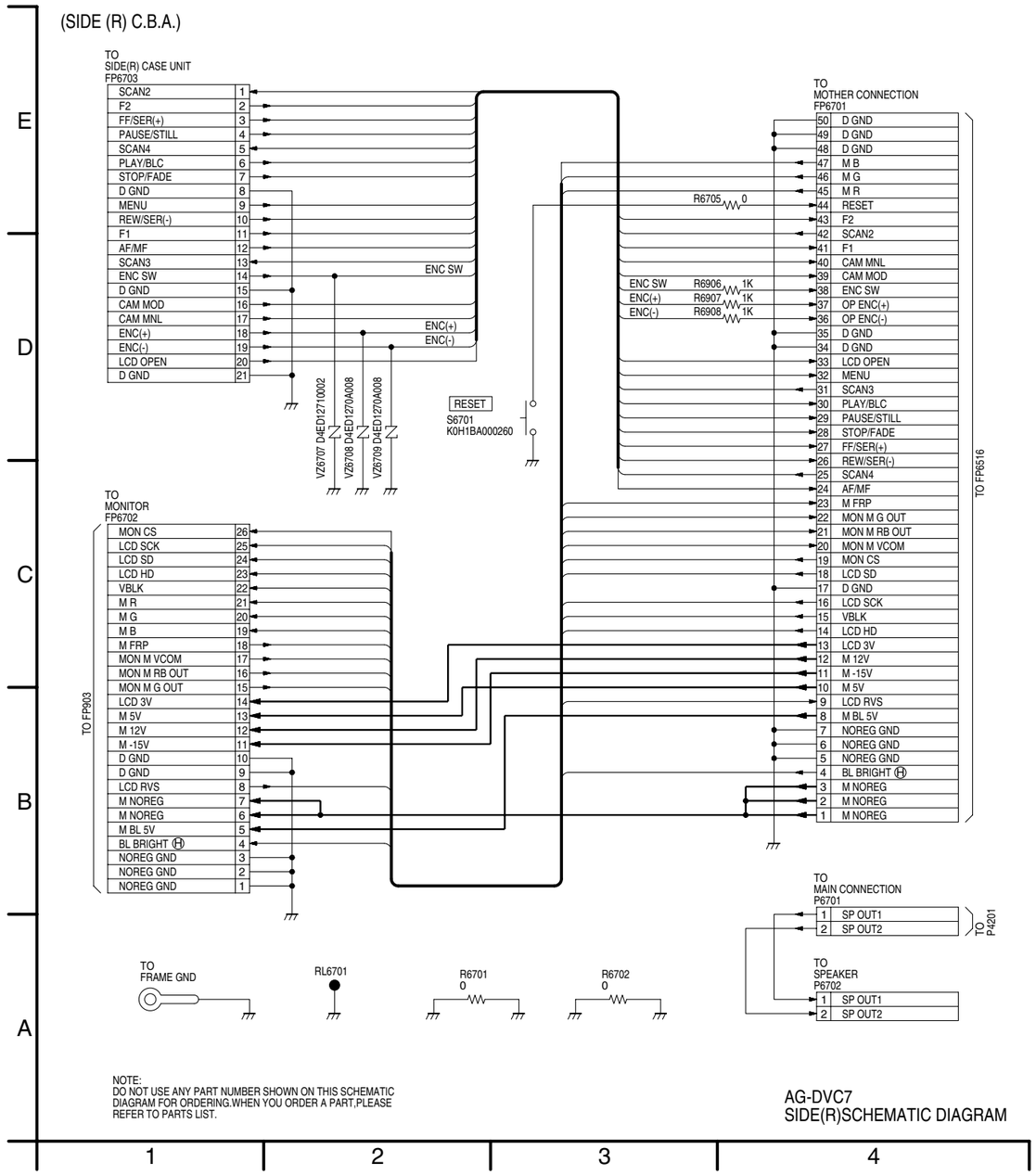
8.27. SIDE (R) CASE UNIT SCHEMATIC DIAGRAM



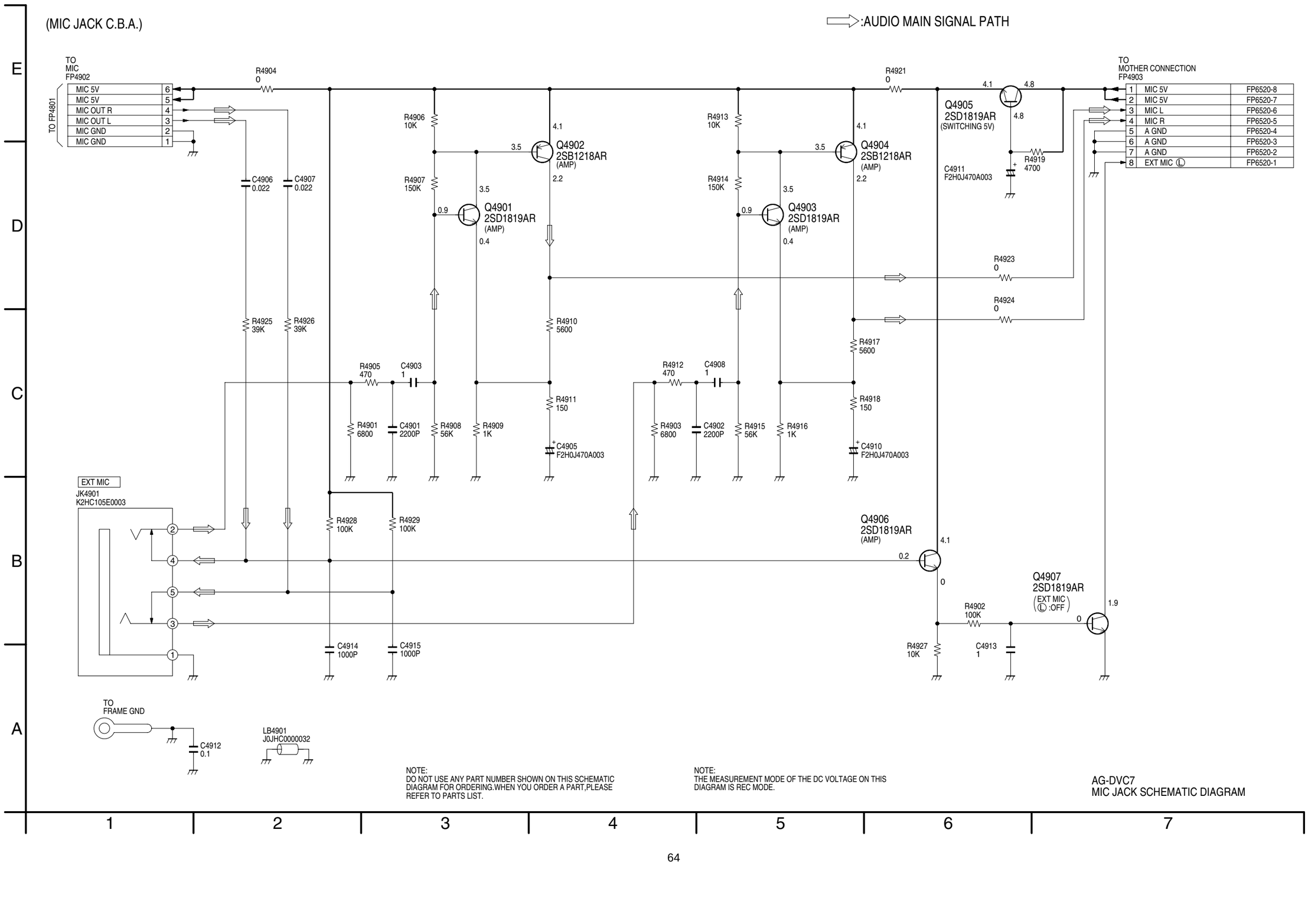
8.28. MIC UNIT SCHEMATIC DIAGRAM



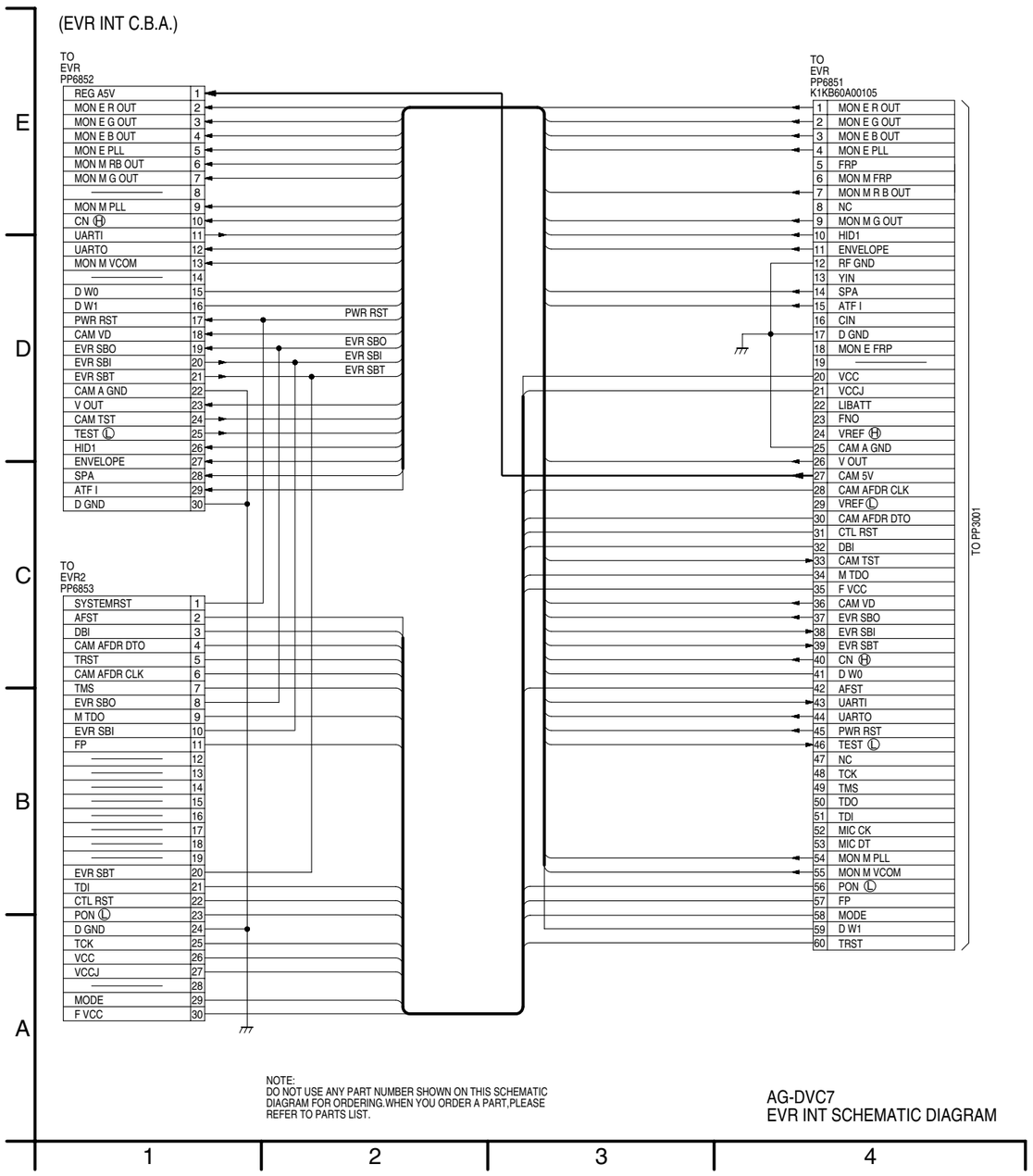
8.29. SIDE (R) SCHEMATIC DIAGRAM



8.30. MIC JACK SCHEMATIC DIAGRAM



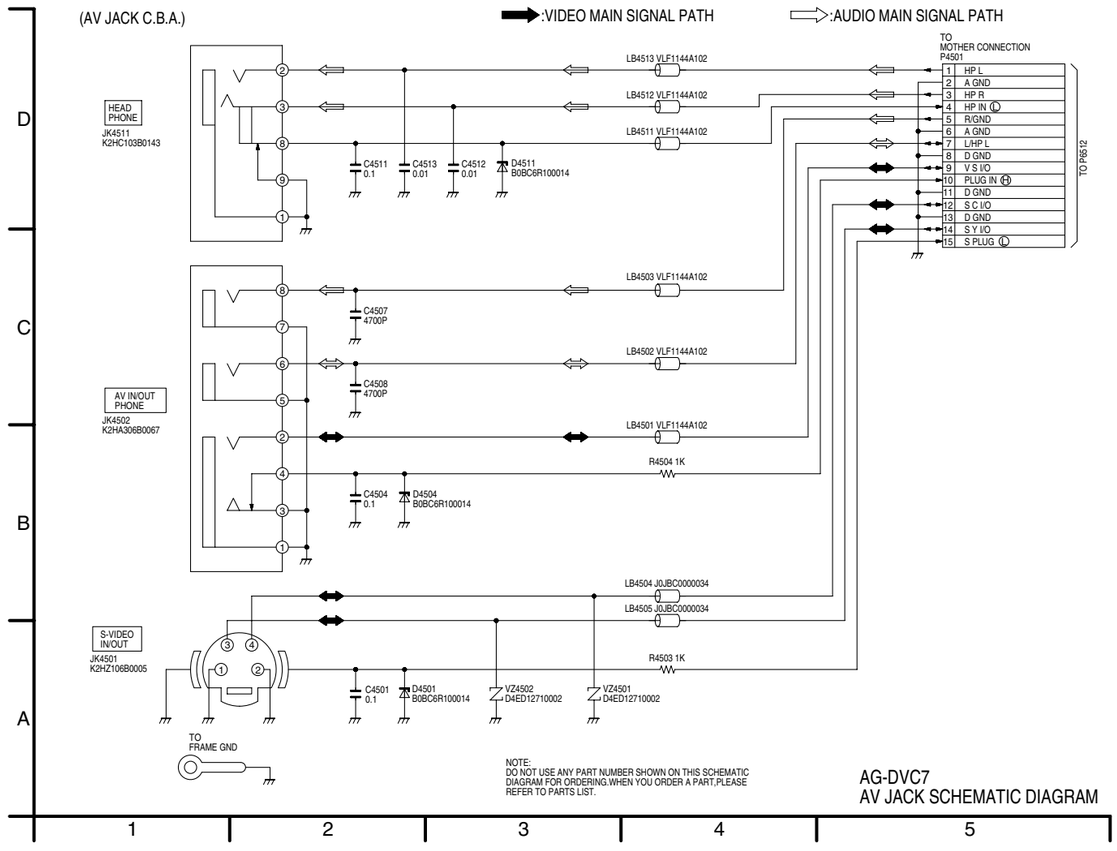
8.31. EVR INT SCHEMATIC DIAGRAM



NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

AG-DVC7
EVR INT SCHEMATIC DIAGRAM

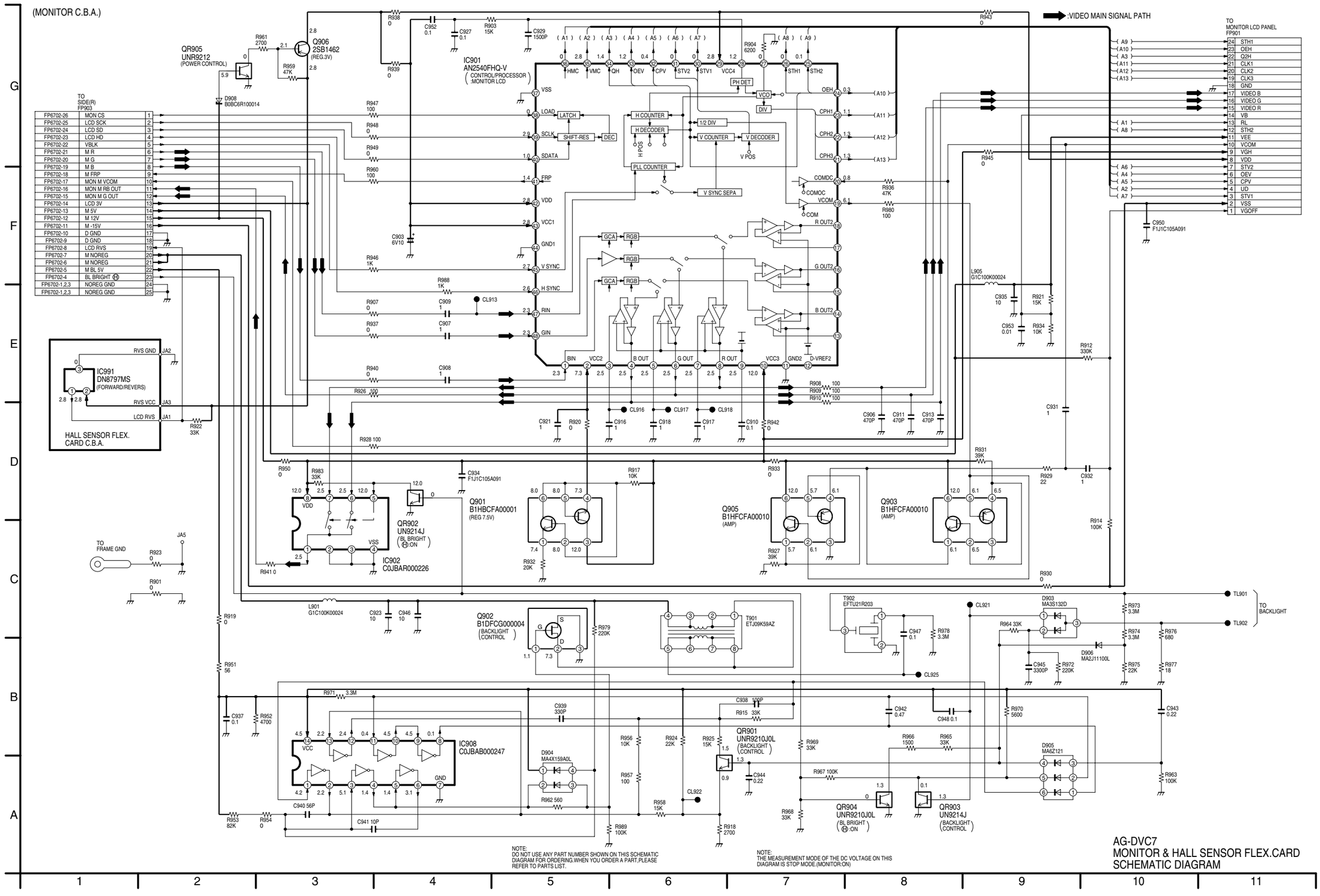
8.32. AV JACK SCHEMATIC DIAGRAM



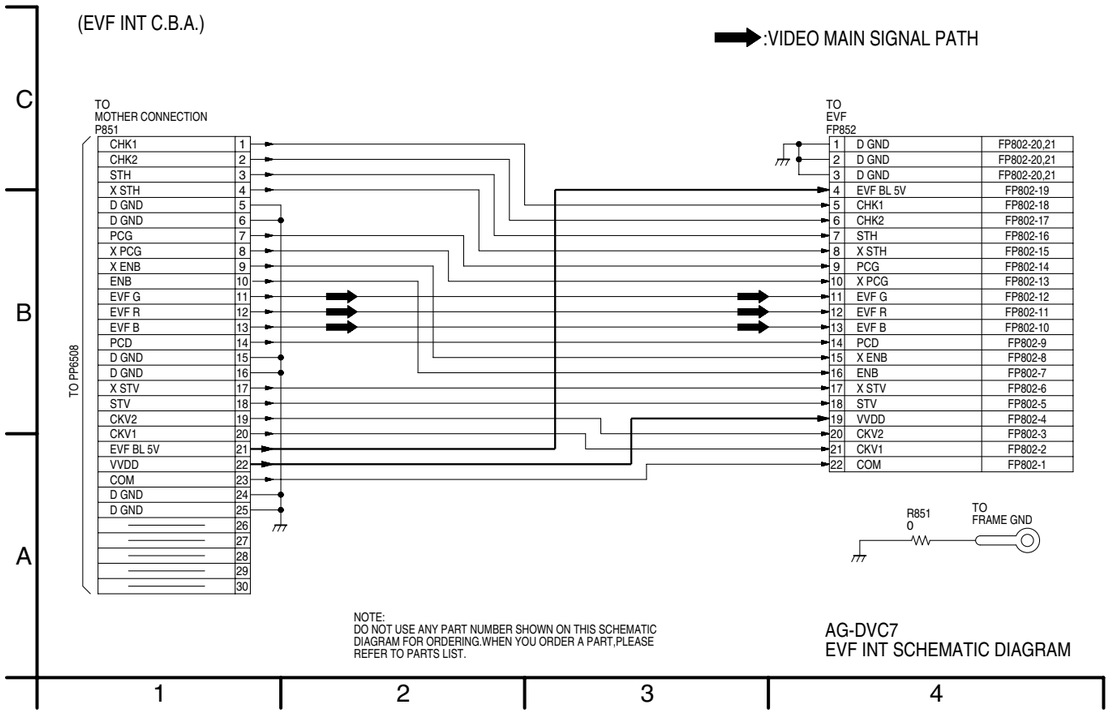
NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

AG-DVC7
AV JACK SCHEMATIC DIAGRAM

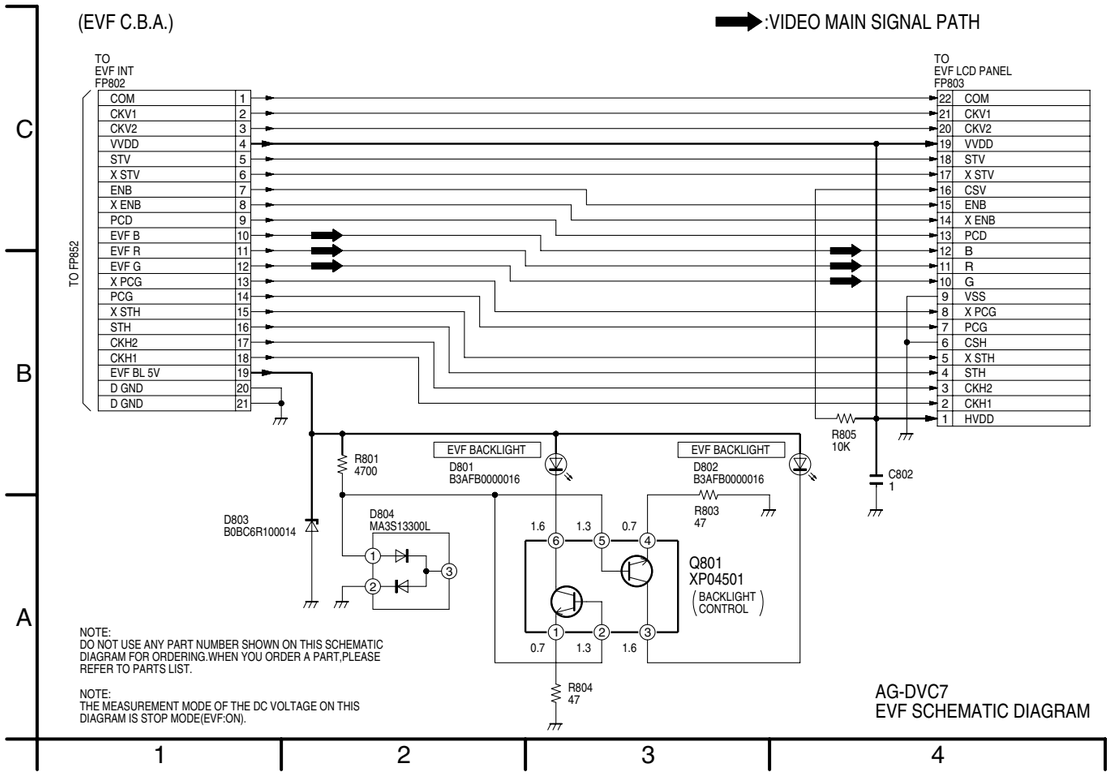
8.33. MONITOR & HALL SENSOR FLEX. CARD SCHEMATIC DIAGRAM



8.34. EVF INT SCHEMATIC DIAGRAM



8.35. EVF SCHEMATIC DIAGRAM



9 CHECKING POINT OF THE CSP IC

9.1. CHECKING POINT TABLE

Check Point of the IC2001

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
1	VCC	————	——	——	
2	UNLOAD	CL2202	B-3	WF-1	MAIN C.B.A. (F)
3	LOAD	CL2203	B-3	WF-1	MAIN C.B.A. (F)
4	SPK ON H	IC3002-1	B-6	WF-1	MAIN C.B.A. (F)
5	MODE SW	R2107 (UPPER)	B-4	WF-38	MAIN C.B.A. (F)
6	VCCB0	————	——	——	
7	POS1	R2103 (RIGHT)	D-3	WF-1	MAIN C.B.A. (F)
8	POS2	R2102 (RIGHT)	D-3	WF-1	MAIN C.B.A. (F)
9	POS3	R2101 (RIGHT)	D-3	WF-1	MAIN C.B.A. (F)
10	S TAB SW	R2146 (LEFT)	B-4	WF-1	MAIN C.B.A. (F)
11	MENU SW	R2106 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
12	VSS	————	——	——	
13	KEY IN 1	R2175 (UPPER)	B-4	WF-35	MAIN C.B.A. (F)
14	KEY IN 2	R2173 (UPPER)	B-4	WF-35	MAIN C.B.A. (F)
15	KEY IN 3	R2171 (UPPER)	B-4	WF-35	MAIN C.B.A. (F)
16	KEY IN 4	R2168 (UPPER)	B-4	WF-35	MAIN C.B.A. (F)
17	SCAN1	R2166 (UPPER)	B-4	WF-43	MAIN C.B.A. (F)
18	SCAN2	R2165 (UPPER)	B-4	WF-43	MAIN C.B.A. (F)
19	VCCB1	————	——	——	
20	SCAN3	R2148 (UPPER)	B-4	WF-43	MAIN C.B.A. (F)
21	SCAN4	R2147 (UPPER)	B-4	WF-43	MAIN C.B.A. (F)
22	T PHT SW2	R2137 (LOWER)	D-4	WF-1	MAIN C.B.A. (F)
23	VSS	————	——	——	
24	T PHT SW1	R2138 (RIGHT)	D-4	WF-1	MAIN C.B.A. (F)
25	S PHT SW2	R2133 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
26	S PHT SW1	R2132 (LEFT)	B-4	WF-1	MAIN C.B.A. (F)
27	NC	CL2021	B-4	WF-1	MAIN C.B.A. (F)
28	VCCB1	————	——	——	
29	ALIVED	CL2004	B-4	WF-1	MAIN C.B.A. (F)
30	IRISOPEN	QR706-B	D-7	WF1	MAIN C.B.A. (F)
31	VSUBCNT	CL2011	B-4	WF-1	MAIN C.B.A. (F)
32	CARD PRO	R2145 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
33	MIC ON	R2117 (LEFT)	B-4	WF-1	MAIN C.B.A. (F)
34	SNS LED	R2038 (RIGHT)	D-4	WF-93	MAIN C.B.A. (F)
35	LCD1 CS	R2199 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
36	LCD RVS	R2057 (LEFT)	B-4	WF-1	MAIN C.B.A. (F)
37	LCD OPEN	R2055 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
38	ADM15	CL3021	B-3	WF-218	MAIN C.B.A. (C)
39	VSS	————	——	——	
40	VCCB2	————	——	——	
41	ADM 14	————	——	——	
42	ADM 13	————	——	——	
43	ADM 12	————	——	——	
44	ADM 11	————	——	——	
45	ADM 10	————	——	——	
46	ADM 9	————	——	——	
47	ADM 8	————	——	——	
48	VSS	————	——	——	
49	ADM 7	————	——	——	
50	ADM 6	————	——	——	
51	ADM 5	————	——	——	
52	ADM 4	————	——	——	
53	ADM 3	————	——	——	
54	ADM 2	————	——	——	
55	ADM 1	————	——	——	
56	ADM 0	————	——	——	
57	BR H	CL2003	B-4	WF-1	MAIN C.B.A. (F)
58	VCCB2	————	——	——	
59	BG IN	CL2002	B-4	WF-1	MAIN C.B.A. (F)
60	VSS	————	——	——	

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
61	AS	CL3022	C-2	WF-1	MAIN C.B.A. (C)
62	XRE	CL3024	C-2	WF-1	MAIN C.B.A. (C)
63	XWEH	CL3023	C-6	WF-1	MAIN C.B.A. (F)
64	XWEL	CL3025	B-5	WF-1	MAIN C.B.A. (F)
65	FVCC	————	——	——	
66	VCCP1	————	——	——	
67	CNA (PLANET)	CL3218	B-7	WF-1	MAIN C.B.A. (F)
68	PWD (PLANET)	CL3217	C-8	WF-1	MAIN C.B.A. (F)
69	XLRST	CL3215	C-6	WF-1	MAIN C.B.A. (F)
70	XPRST	CL3216	C-6	WF-1	MAIN C.B.A. (F)
71	LCD ON H	QR1411-B	D-6	WF-1	MAIN C.B.A. (C)
72	CCD ON H	QR1351-B	F-7	WF-1	MAIN C.B.A. (C)
73	VTR TEST L	R2025 (LEFT)	C-5	WF-1	MAIN C.B.A. (F)
74	DOOR OPEN	R2028 (LEFT)	C-5	WF-1	MAIN C.B.A. (F)
75	TORQU LIMIT	R2212 (RIGHT)	A-1	WF-1	MAIN C.B.A. (F)
76	SYNC DET	————	——	——	
77	AMUTE H	R2181 (LEFT)	C-4	WF-1	MAIN C.B.A. (F)
78	HP MUTE H	R2177 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
79	DETTIME	IC3002-3	B-6	WF-156	MAIN C.B.A. (F)
80	LM TD	————	——	——	
81	EX PAUSE	QR3502-B	B-5	WF-1	MOTHER C.B.A. (C)
82	T REEL	IC2006-1	E-4	WF-158	MAIN C.B.A. (F)
83	S REEL	IC2006-7	E-4	WF-157	MAIN C.B.A. (F)
84	VSS	————	——	——	
85	SBA CS	IC3004-26	C-7	WF-1	MAIN C.B.A. (F)
86	HID	R3217 (RIGHT)	B-6	WF-97	MAIN C.B.A. (C)
87	FRP	CL3001	A-6	WF-147	MAIN C.B.A. (C)
88	AFRP	————	——	——	
89	SPLUG L	R2096 (LEFT)	C-5	WF-1	MAIN C.B.A. (F)
90	PLUGIN L	R2100 (LEFT)	C-5	WF-1	MAIN C.B.A. (F)
91	NC	CL2005	C-4	WF-4	MAIN C.B.A. (F)
92	SPA	————	——	——	
93	VCCP1	————	——	——	
94	REMOCON	R2027 (RIGHT)	C-5	WF-1	MAIN C.B.A. (F)
95	SSP (TSA)	CL2001	A-8	WF-1	MAIN C.B.A. (F)
96	CAP FG	CL2201	C-2	WF-98	MAIN C.B.A. (F)
97	CYL FG	CL2205	B-2	WF-99	MAIN C.B.A. (F)
98	HP PLUG L	R6523 (RIGHT)	B-4	WF-1	MOTHER C.B.A. (C)
99	NC	CL2020	C-4	WF-1	MAIN C.B.A. (F)
100	AF/MF	R2067 (LEFT)	C-5	WF-43	MAIN C.B.A. (F)
101	EXT MIC	R2154 (LEFT)	C-4	WF-1	MAIN C.B.A. (F)
102	CAM MNL	R2018 (RIGHT)	C-5	WF-1	MAIN C.B.A. (F)
103	CAM MOD	R2017 (LEFT)	C-5	WF-1	MAIN C.B.A. (F)
104	VSS	————	——	——	
105	VCC	————	——	——	
106	XRST	IC2002-3	B-3	WF-1	MAIN C.B.A. (F)
107	SIF XRST	R3501 (LEFT)	C-4	WF-1	MOTHER C.B.A. (C)
108	V1V2	————	——	——	
109	NC	CL2012	C-5	WF-131	MAIN C.B.A. (F)
110	DV INT	————	——	——	
111	BEND	————	——	——	
112	SBA CLK	IC3004-27	C-7	WF-1	MAIN C.B.A. (F)
113	VCCP1	————	——	——	
114	SBA DTI	IC3004-24	C-7	WF-1	MAIN C.B.A. (F)
115	SBA DTO	IC3004-25	C-7	WF-1	MAIN C.B.A. (F)
116	SIF SCK	————	——	——	
117	SIF DTI	R2003 (LOWER)	B-4	WF-1	MAIN C.B.A. (F)
118	SIF DTO	R2003 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
119	AON H	R3124 (LEFT)	B-6	WF-1	MAIN C.B.A. (F)
120	VON H	IC3002-44	B-6	WF-1	MAIN C.B.A. (F)

(C): COMPONENT SIDE (F):FOIL SIDE

Check Point of the IC2001

CSP IC Pin	CSP IC Name	Check Point		WF NO.	Remarks
121	HP ON H	IC3002-17	B-6	WF-1	MAIN C.B.A. (F)
122	SIF CS	———	—	—	
123	VSS	———	—	—	
124	TRDATA7	———	—	—	
125	TRDATA6	———	—	—	
126	TRDATA5	———	—	—	
127	TRDATA4	———	—	—	
128	TRDATA3	———	—	—	
129	TRDATA2	———	—	—	
130	VCCJ	———	—	—	
131	VSS	———	—	—	
132	TRDATA1	———	—	—	
133	TRDATA0	———	—	—	
134	TRSYNC	———	—	—	
135	EVENTO	———	—	—	
136	FVCC	———	—	—	
137	EVENT1	CL2014	C-5	WF-1	MAIN C.B.A. (F)
138	TDO	R2065 (LEFT)	A-4	WF-1	MAIN C.B.A. (F)
139	TDI	R2072 (RIGHT)	D-4	WF-1	MAIN C.B.A. (F)
140	TMS	R2075 (RIGHT)	D-4	WF-1	MAIN C.B.A. (F)
141	TCK	R2078 (LOWER)	D-4	WF-1	MAIN C.B.A. (F)
142	VCCJ	———	—	—	
143	TRCLK	R2164 (LEFT)	D-4	WF-1	MAIN C.B.A. (F)
144	VSS	———	—	—	
145	TRST	R2063 (LEFT)	D-5	WF-1	MAIN C.B.A. (F)
146	DBI	R2089 (RIGHT)	D-4	WF-131	MAIN C.B.A. (F)
147	CARD DET	R2163 (RIGHT)	B-4	WF-1	MAIN C.B.A. (F)
148	FP	R2090 (RIGHT)	D-4	WF-1	MAIN C.B.A. (F)
149	VCC P0	———	—	—	
150	MODE	R2194 (LOWER)	D-4	WF-1	MAIN C.B.A. (F)
151	BMODE	R2091 (LOWER)	D-4	WF-1	MAIN C.B.A. (F)
152	VSS	———	—	—	
153	RESET	R2093 (LOWER)	B-4	WF-1	MAIN C.B.A. (F)
154	OSCVCC	———	—	—	
155	XIN	R2050 (LEFT)	D-4	WF-41	MAIN C.B.A. (F)
156	OSCVSS	———	—	—	
157	XOUT	R2050 (RIGHT)	D-4	WF-41	MAIN C.B.A. (F)
158	PLL VCC	———	—	—	
159	PLL CAP	C2022 (LOWER)	D-4	WF-1	MAIN C.B.A. (F)
160	PLL VSS	———	—	—	
161	TXD	D2001 (UPPER)	D-5	WF-1	MAIN C.B.A. (F)
162	RXD	D2009 (UPPER)	C-3	WF-1	MAIN C.B.A. (F)
163	EXROM CNT	CL2002	B-4	WF-1	MAIN C.B.A. (F)
164	CAM CS	IC202-46	E-6	WF-1	MAIN C.B.A. (F)
165	AFST	———	—	—	
166	EVF CS	R608 (UPPER)	D-5	WF-1	MAIN C.B.A. (C)
167	EE CS	IC2008-1	D-5	WF-160	MAIN C.B.A. (F)
168	DSC WAKEUP	———	—	—	
169	VSS	———	—	—	
170	VCC PO	———	—	—	
171	4.5M	IC701-36	D-6	WF-41	MAIN C.B.A. (F)
172	BL BRIGHT H	R2198 (LEFT)	D-4	WF-1	MAIN C.B.A. (F)
173	LCD BL CNT	QR1412-2	D-6	WF-1	MAIN C.B.A. (C)
174	EVF BL CONT	QR603-B	E-4	WF-1	MAIN C.B.A. (F)
175	EVF ON	QR604-B	E-4	WF-1	MAIN C.B.A. (F)
176	DSC DTO	———	—	—	
177	DSC DTI	R2193 (LOWER)	D-3	WF-1	MAIN C.B.A. (F)
178	VSS	———	—	—	
179	DSC CLK	———	—	—	
180	DSC FRP	———	—	—	

CSP IC Pin	CSP IC Name	Check Point		WF NO.	Remarks
181	DAC LD	IC2009-15	C-5	WF-1	MAIN C.B.A. (F)
182	5P DO	———	—	—	
183	5P DI	R2045 (LOWER)	C-5	WF-168	MAIN C.B.A. (F)
184	5P CLK	———	—	—	
185	EE DTO	IC2008-3	D-5	WF-164	MAIN C.B.A. (F)
186	EE DTI	IC2008-4	D-5	WF-165	MAIN C.B.A. (F)
187	EE CLK	IC2008-2	D-5	WF-163	MAIN C.B.A. (F)
188	RTC DO	R2099 (RIGHT)	D-3	WF-131	MAIN C.B.A. (F)
189	RTC DI	R2099 (LEFT)	D-3	WF-131	MAIN C.B.A. (F)
190	RTC CLK	IC2002-28	B-3	WF-131	MAIN C.B.A. (F)
191	RTC CS	IC2007-5	B-6	WF-131	MAIN C.B.A. (C)
192	EVR SO	R2160 (LOWER)	D-4	WF-1	MAIN C.B.A. (F)
193	EVR SI	R2159 (RIGHT)	D-3	WF-1	MAIN C.B.A. (F)
194	EVR SCK	R2158 (RIGHT)	D-4	WF-14	MAIN C.B.A. (F)
195	VCC PO	———	—	—	
196	VCC	———	—	—	
197	CAM TST	R2031 (RIGHT)	D-3	WF-1	MAIN C.B.A. (F)
198	MIC DATA	R2126 (LOWER)	D-3	WF-1	MAIN C.B.A. (F)
199	MIC CLK	R2127 (LEFT)	D-4	WF-1	MAIN C.B.A. (F)
200	VSS	———	—	—	
201	VD	CL3006	C-3	WF-212	MAIN C.B.A. (C)
202	AFDR CS INT	———	—	—	
203	FENC	R715 (RIGHT)	D-2	WF-1	MAIN C.B.A. (C)
204	NC	CL2017	C-3	WF-1	MAIN C.B.A. (F)
205	MENU ENC1	R2024 (LEFT)	D-3	WF-1	MAIN C.B.A. (F)
206	MENU ENC2	R2016 (RIGHT)	D-3	WF-1	MAIN C.B.A. (F)
207	NC	CL2016	D-3	WF-1	MAIN C.B.A. (F)
208	INPUT SEL	IC3503-2	B-5	WF-131	MOTHER C.B.A. (F)
209	CAP ERR	R2119 (LOWER)	C-3	WF-155	MAIN C.B.A. (F)
210	CYL ERR	R2118 (RIGHT)	C-3	WF-95	MAIN C.B.A. (F)
211	MF RING SW	IC504-2	C-5	WF-1	MOTHER C.B.A. (F)
212	CAM D3 OFF	QR201-B	E-5	WF-86	MAIN C.B.A. (F)
213	AMUTE H	QR4202-2	D-8	WF-1	MOTHER C.B.A. (F)
214	VCCPO	———	—	—	
215	OSDXIN	R2189 (RIGHT)	C-3	WF-1	MAIN C.B.A. (F)
216	VSS	———	—	—	
217	OSDXOUT	CL2013	C-3	WF-7	MAIN C.B.A. (F)
218	VSYNC	R2188 (LOWER)	D-5	WF-131	MAIN C.B.A. (F)
219	HSYNC	R2187 (RIGHT)	C-3	WF-131	MAIN C.B.A. (F)
220	AVIN H	QR3585-B	A-5	WF-1	MOTHER C.B.A. (C)
221	LED CNT	QR701-B	D-8	WF-1	MAIN C.B.A. (F)
222	HP VOL	———	—	—	
223	VCC	———	—	—	
224	CHR R	———	—	—	
225	CHR G	———	—	—	
226	CHR B	———	—	—	
227	CHR BLK1	———	—	—	
228	CHR Y	R3012 (LEFT)	B-5	WF-1	MAIN C.B.A. (F)
229	CHR BLK1	R3011 (RIGHT)	B-5	WF-131	MAIN C.B.A. (F)
230	AFDRCS	IC701-33	D-6	WF-1	MAIN C.B.A. (F)
231	ZENC	R741 (UPPER)	D-2	WF-1	MAIN C.B.A. (C)
232	AFDRRST	IC701-38	D-6	WF-1	MAIN C.B.A. (F)
233	AFDRVD	IC701-32	D-6	WF-1	MAIN C.B.A. (F)
234	VCC P0	———	—	—	
235	VSS	———	—	—	
236	CAP RSF	R2125 (RIGHT)	C-3	WF-1	MAIN C.B.A. (F)
237	CYL ON	R2124 (RIGHT)	B-3	WF-1	MAIN C.B.A. (F)
238	XCIN	R2108 (LOWER)	D-3	WF-1	MAIN C.B.A. (F)
239	VSS	———	—	—	
240	XCOUT	CL2008	D-4	WF-1	MAIN C.B.A. (F)

(C): COMPONENT SIDE (F):FOIL SIDE

Check Point of the IC2001

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
241	VCCR	————	—	—	
242	AVREF	————	—	—	
243	AVCC	————	—	—	
244	MIC AD1	————	—	—	
245	MIC AD2	R2121 (UPPER)	D-4	WF-1	MAIN C.B.A. (F)
246	MIC AD3	R2120 (RIGHT)	C-3	WF-1	MAIN C.B.A. (F)
247	S PHOTO	C2031 (RIGHT)	C-3	WF-1	MAIN C.B.A. (F)
248	T PHOTO	C2033 (LOWER)	D-3	WF-1	MAIN C.B.A. (F)
249	NC	R2115 (RIGHT)	C-3	WF-1	MAIN C.B.A. (F)
250	PC RST	D2009 (LOWER)	C-3	WF-1	MAIN C.B.A. (F)
251	ZOOM SW	R2114 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
252	HPDET L	IC3002-4	B-6	WF-1	MAIN C.B.A. (F)
253	IROUT	R6803 (RIGHT)	A-3	WF-1	FRONT C.B.A.
254	FOUT	IC702-14	C-6	WF-1	MAIN C.B.A. (F)
255	OLUXSW	R2190 (LEFT)	C-5	WF-1	MAIN C.B.A. (F)
256	AFDREXF	IC701-22	D-6	WF-1	MAIN C.B.A. (F)
257	AFDREXZ	IC701-31	D-6	WF-1	MAIN C.B.A. (F)
258	WIDE DET	R2128 (LOWER)	B-5	WF-1	MAIN C.B.A. (F)
259	NC	R2023 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
260	AVSS	————	—	—	
261	VSS	————	—	—	

(C): COMPONENT SIDE (F):FOIL SIDE

Check Point of the IC3001

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
1	VDD 2.5V	———	—	—	
2	DRAM VSS	———	—	—	
3	INF	———	—	—	
4	DRAM VSS	———	—	—	
5	DRAM VSS	———	—	—	
6	VDD 1.5V	———	—	—	
7	VDD 1.5V	———	—	—	
8	DBP (3)	———	—	—	
9	ADM (15)	CL3021	B-3	WF-218	MAIN C.B.A. (C)
10	ADM (14)	———	—	—	
11	ADM (13)	———	—	—	
12	ADM (12)	———	—	—	
13	VSS	———	—	—	
14	VDDC	———	—	—	
15	VDD 2V	———	—	—	
16	ADM (11)	———	—	—	
17	ADM (10)	———	—	—	
18	ADM (9)	———	—	—	
19	ADM (8)	———	—	—	
20	ADM (7)	———	—	—	
21	ADM (6)	———	—	—	
22	DRAM VSS	———	—	—	
23	DRAM VSS	———	—	—	
24	VDD 1.5V	———	—	—	
25	VDD 1.5V	———	—	—	
26	ADM (5)	———	—	—	
27	ADM (4)	———	—	—	
28	ADM (3)	———	—	—	
29	ADM (2)	———	—	—	
30	ADM (1)	———	—	—	
31	ADM (0)	———	—	—	
32	VSS	———	—	—	
33	AS	CL3022	C-2	WF-1	MAIN C.B.A. (C)
34	XWEH	CL3023	C-6	WF-1	MAIN C.B.A. (F)
35	XRE	CL3024	C-2	WF-1	MAIN C.B.A. (C)
36	DRAM VSS	———	—	—	
37	DRAM VSS	———	—	—	
38	VDD 1.5V	———	—	—	
39	VDD 1.5V	———	—	—	
40	XWEL	CL3025	B-5	WF-1	MAIN C.B.A. (F)
41	PORTB	CL3034	B-3	WF-1	MAIN C.B.A. (C)
42	PORT (5)	———	—	—	
43	PORT (4)	CL3033	B-4	WF-1	MAIN C.B.A. (C)
44	PORT (3)	CL3035	B-4	WF-1	MAIN C.B.A. (C)
45	DTCLK	———	—	—	
46	PORT (2)	———	—	—	
47	DTMB	———	—	—	
48	PORT (7)	———	—	—	
49	DVM	———	—	—	
50	PORT (9)	IC3002-30	B-6	WF-1	MAIN C.B.A. (F)
51	VDDC	———	—	—	
52	VSS	———	—	—	
53	VDD 2V	———	—	—	
54	TEST (5)	———	—	—	
55	TEST (4)	———	—	—	
56	TEST (3)	———	—	—	
57	VDD 1.5V	———	—	—	
58	VDD 1.5V	———	—	—	
59	DRAM VSS	———	—	—	
60	DRAM VSS	———	—	—	

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
61	TEST (2)	———	—	—	
62	TEST (1)	———	—	—	
63	TEST (0)	———	—	—	
64	PORT (8)	———	—	—	
65	PORT (6)	———	—	—	
66	DRAM VSS	———	—	—	
67	DRAM VSS	———	—	—	
68	VDD 1.5V	———	—	—	
69	VDD 1.5V	———	—	—	
70	PORT (1)	CL3031	B-4	WF-1	MAIN C.B.A. (C)
71	DRAM VSS	———	—	—	
72	VDD 2.5V	———	—	—	
73	TDO	———	—	—	
74	VDDC	———	—	—	
75	TDI	———	—	—	
76	TCK	R3151 (LOWER)	C-5	WF-1	MAIN C.B.A. (C)
77	TMS	R3101 (RIGHT)	C-5	WF-1	MAIN C.B.A. (C)
78	DRAM VSS	———	—	—	
79	VDD 2.5V	———	—	—	
80	XTRST	IC3004-28	C-7	WF-1	MAIN C.B.A. (F)
81	CLK 24	CL3004	C-5	WF-181	MAIN C.B.A. (F)
82	AFRP	———	—	—	
83	PORTC	———	—	—	
84	XRST	IC3004-28	C-7	WF-1	MAIN C.B.A. (F)
85	DIBCK	———	—	—	
86	DOBCK	IC3004-23	C-7	WF-187	MAIN C.B.A. (F)
87	FRP	CL3001	A-6	WF-147	MAIN C.B.A. (C)
88	VSS	———	—	—	
89	CLK 27A	CL3003	C-4	WF-122	MAIN C.B.A. (C)
90	VDDC	———	—	—	
91	CLK27B	CL3009	C-5	WF-122	MAIN C.B.A. (C)
92	VDD 2V	———	—	—	
93	PORTD	———	—	—	
94	LCDCLK	CL3014	C-5	WF-131	MAIN C.B.A. (C)
95	SSP	CL3002	A-7	WF-1	MAIN C.B.A. (F)
96	PORTA	IC3002-45	B-6	WF-1	MAIN C.B.A. (F)
97	DOMCK	IC3004-22	C-7	WF-186	MAIN C.B.A. (F)
98	CLK135	CL3108	B-5	WF-178	MAIN C.B.A. (C)
99	DODAT	IC3004-20	C-7	WF-184	MAIN C.B.A. (F)
100	AIDAT1	IC3004-18	C-7	WF-1	MAIN C.B.A. (F)
101	AIDAT2	IC3004-19	C-7	WF-1	MAIN C.B.A. (F)
102	DIDAT	———	—	—	
103	DILRCK	———	—	—	
104	DIMCK	———	—	—	
105	VSS	———	—	—	
106	CCDCLK1	———	—	—	
107	CCDCLK0	———	—	—	
108	VDDC	———	—	—	
109	FSCLKIN	———	—	—	
110	VSS	———	—	—	
111	INH2	CL3010	B-5	WF-136	MAIN C.B.A. (C)
112	V1V2	———	—	—	
113	BEND	———	—	—	
114	DOLRCK	IC3004-21	C-7	WF-185	MAIN C.B.A. (F)
115	INV2	CL3011	B-5	WF-135	MAIN C.B.A. (C)
116	VDD2V	———	—	—	
117	VSS	———	—	—	
118	MCLK240	C3040 (UPPER)	C-4	WF-132	MAIN C.B.A. (C)
119	MCLK241	C3042 (LEFT)	C-5	WF-132	MAIN C.B.A. (C)
120	VDDC	———	—	—	

(C): COMPONENT SIDE (F):FOIL SIDE

Check Point of the IC3001

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
121	CDATA2 (0)	———	—	—	
122	CDATA2 (1)	———	—	—	
123	CDATA2 (2)	———	—	—	
124	CDATA2 (3)	———	—	—	
125	CDATA2 (4)	———	—	—	
126	CDATA2 (5)	———	—	—	
127	CDATA2 (6)	———	—	—	
128	CDATA2 (7)	———	—	—	
129	YDATA2 (0)	———	—	—	
130	YDATA2 (1)	———	—	—	
131	YDATA2 (2)	———	—	—	
132	YDATA2 (3)	———	—	—	
133	YDATA2 (4)	———	—	—	
134	YDATA2 (5)	———	—	—	
135	YDATA2 (6)	———	—	—	
136	YDATA2 (7)	———	—	—	
137	CLKSEL (2)	———	—	—	
138	CLKSEL (1)	———	—	—	
139	CLKSEL (0)	———	—	—	
140	AVDD	———	—	—	
141	COUT	C3134 (UPPER)	C-6	WF-1	MAIN C.B.A. (F)
142	CVBS	C3035 (LOWER)	D-5	WF-1	MAIN C.B.A. (C)
143	CREF	C3033 (UPPER)	C-5	WF-1	MAIN C.B.A. (C)
144	AVSS	———	—	—	
145	DVDD	———	—	—	
146	DVSS	———	—	—	
147	AVDD	———	—	—	
148	VOUT	C3129 (UPPER)	C-5	WF-171	MAIN C.B.A. (F)
149	VVBS	C3031 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
150	VREF	C3030 (UPPER)	C-5	WF-1	MAIN C.B.A. (C)
151	AVSS	———	—	—	
152	AVDD	———	—	—	
153	EVFROUT	R643 (LOWER)	D-5	WF-171	MAIN C.B.A. (C)
154	EVFRVBS	C3029 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
155	AVSS	———	—	—	
156	AVDD	———	—	—	
157	EVFGOUT	R604 (LOWER)	D-5	WF-172	MAIN C.B.A. (C)
158	EVFGVBS	C3027 (LOWER)	D-5	WF-1	MAIN C.B.A. (C)
159	EVFREF	C3026 (LOWER)	D-5	WF-1	MAIN C.B.A. (C)
160	AVSS	———	—	—	
161	AVDD	———	—	—	
162	EVFBOUT	R605 (LOWER)	D-5	WF-173	MAIN C.B.A. (C)
163	EVFBVBS	C3025 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
164	AVSS	———	—	—	
165	DVDD	———	—	—	
166	DVSS	———	—	—	
167	AVDD	———	—	—	
168	LCDROUT	R661 (LOWER)	D-4	WF-171	MAIN C.B.A. (C)
169	LCDRVBS	C3021 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
170	AVSS	———	—	—	
171	AVDD	———	—	—	
172	LCDGOUT	R652 (LOWER)	D-4	WF-172	MAIN C.B.A. (C)
173	LCDGVBS	C3020 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
174	LCDREF	C3019 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
175	AVSS	———	—	—	
176	AVDD	———	—	—	
177	LCDBOUT	R653 (LOWER)	D-4	WF-173	MAIN C.B.A. (C)
178	LCDBVBS	C3018 (LOWER)	D-4	WF-1	MAIN C.B.A. (C)
179	AVSS	———	—	—	
180	ADIN (0)	IC202-3	E-6	WF-1	MAIN C.B.A. (F)

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
181	ADIN (1)	IC202-4	E-6	WF-1	MAIN C.B.A. (F)
182	ADIN (2)	IC202-5	E-6	WF-1	MAIN C.B.A. (F)
183	ADIN (3)	IC202-6	E-6	WF-1	MAIN C.B.A. (F)
184	FCK45	R219 (LEFT)	D-3	WF-131	MAIN C.B.A. (C)
185	ADIN (5)	IC202-8	E-6	WF-1	MAIN C.B.A. (F)
186	ADIN (6)	IC202-9	E-6	WF-1	MAIN C.B.A. (F)
187	VSS	———	—	—	
188	FCK2135	———	—	—	
189	VDOC	———	—	—	
190	ADIN (7)	IC202-10	E-6	WF-1	MAIN C.B.A. (F)
191	ADIN (8)	IC202-11	E-6	WF-1	MAIN C.B.A. (F)
192	ADIN (9)	IC202-12	E-6	WF-1	MAIN C.B.A. (F)
193	VSS	———	—	—	
194	ADIN (4)	IC202-7	E-6	WF-1	MAIN C.B.A. (F)
195	VDOC	———	—	—	
196	VDD32	———	—	—	
197	CAMVD	CL3006	C-3	WF-212	MAIN C.B.A. (C)
198	CAMHD	CL3005	D-3	WF-1	MAIN C.B.A. (C)
199	PLLDVDD	———	—	—	
200	PLLAVDD	———	—	—	
201	PLLAVSS	———	—	—	
202	PLLDVSS	———	—	—	
203	IVCOAVD	———	—	—	
204	FSLPFI	R3041 (RIGHT)	C-3	WF-1	MAIN C.B.A. (C)
205	IVCOAVSS	———	—	—	
206	LCDPOL	R3036 (RIGHT)	C-3	WF-1	MAIN C.B.A. (C)
207	EVFPOL	R3034 (RIGHT)	C-3	WF-1	MAIN C.B.A. (C)
208	ZPWMOUT1	———	—	—	
209	ZPWMOUT2	———	—	—	
210	PWMOUT1	———	—	—	
211	OSDVR	———	—	—	
212	OSDVG	———	—	—	
213	OSDVB	———	—	—	
214	OSDBLKA	———	—	—	
215	ODSBLKB	———	—	—	
216	VSS	———	—	—	
217	VDDC	———	—	—	
218	VDDS	———	—	—	
219	VBLK	R3002 (RIGHT)	C-2	WF-129	MAIN C.B.A. (C)
220	LCDHD	R3004 (RIGHT)	C-2	WF-126	MAIN C.B.A. (C)
221	CAM AFDR DTO	IC202-47	E-6	WF-1	MAIN C.B.A. (F)
222	CAM AFDR CLK	IC202-48	E-6	WF-110	MAIN C.B.A. (F)
223	AFDR CS INT	———	—	—	
224	CAM CG DTO	IC201-10	D-3	WF-1	MAIN C.B.A. (C)
225	CAM CG CLK	IC201-9	D-3	WF-1	MAIN C.B.A. (C)
226	CAM CG CS	IC201-11	D-3	WF-1	MAIN C.B.A. (C)
227	OSDHD	R2187 (LEFT)	C-3	WF-131	MAIN C.B.A. (F)
228	OSDVD	R2188 (LOWER)	D-5	WF-131	MAIN C.B.A. (F)
229	FSLPFO	R3041 (RIGHT)	C-3	WF-1	MAIN C.B.A. (C)
230	STILL	QR703-B	D-7	WF-29	MAIN C.B.A. (F)
231	ALCPWM	C722 (UPPER)	D-2	WF-1	MAIN C.B.A. (C)
232	VSS	———	—	—	
233	VDDC	———	—	—	
234	SIG	———	—	—	
235	ZDCOMP	———	—	—	
236	ZCCOMP	———	—	—	
237	ZBCOMP	———	—	—	
238	ZACOMP	———	—	—	
239	F2C	———	—	—	
240	FCB	———	—	—	

(C): COMPONENT SIDE (F):FOIL SIDE

Check Point of the IC3001

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
241	FCA	———	—	—	
242	OSDCLK	R2189 (LEFT)	C-3	WF1	MAIN C.B.A. (F)
243	VDDC	———	—	—	
244	CDATAI (0)	———	—	—	
245	CDATAI (1)	———	—	—	
246	CDATAI (2)	———	—	—	
247	CDATAI (3)	———	—	—	
248	CDATAI (4)	———	—	—	
249	CDATAI (5)	———	—	—	
250	CDATAI (6)	———	—	—	
251	CDATAI (7)	———	—	—	
252	YDATAI (0)	———	—	—	
253	YDATAI (1)	———	—	—	
254	YDATAI (2)	———	—	—	
255	YDATAI (3)	———	—	—	
256	YDATAI (4)	———	—	—	
257	YDATAI (5)	———	—	—	
258	YDATAI (6)	———	—	—	
259	YDATAI (7)	———	—	—	
260	VDD 2V	———	—	—	
261	VDDC	———	—	—	
262	VSS	———	—	—	
263	DBR(0)	———	—	—	
264	INV1	CL3013	B-4	WF-1	MAIN C.B.A. (C)
265	REQR	CL3206	C-2	WF-1	MAIN C.B.A. (C)
266	DBR (2)	———	—	—	
267	DBR (3)	———	—	—	
268	INH1	CL3012	B-5	WF-1	MAIN C.B.A. (C)
269	ACKR	CL3205	C-2	WF-1	MAIN C.B.A. (C)
270	ACKP	———	—	—	
271	REQP	———	—	—	
272	VDD2.5V	———	—	—	
273	DRM VSS	———	—	—	
274	DBR (1)	———	—	—	
275	DBP (0)	———	—	—	
276	DBP (1)	———	—	—	
277	DBP (2)	———	—	—	
278	VSS	———	—	—	
279	NC	———	—	—	
280	NC	———	—	—	
281	NC	———	—	—	
282	NC	———	—	—	
283	NC	———	—	—	
284	NC	———	—	—	

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3201

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
1	DVDD	———	—	—	
2	DVDD	———	—	—	
3	DVSS	———	—	—	
4	XRST	C3204 (UPPER)	B-2	WF-1	MAIN C.B.A. (C)
5	ATFIN	C3205 (UPPER)	B-2	WF-176	MAIN C.B.A. (C)
6	CS	———	—	—	
7	AVDD (ADC)	———	—	—	
8	PBIN	C3229 (UPPER)	B-3	WF-142	MAIN C.B.A. (C)
9	PBX	C3207 (UPPER)	B-2	WF-1	MAIN C.B.A. (C)
10	AVSS (ADC)	———	—	—	
11	VCOREF	CL3202	B-1	WF-1	MAIN C.B.A. (C)
12	VCORP	R3205 (UPPER)	B-2	WF-2	MAIN C.B.A. (C)
13	AVDD (VCO)	———	—	—	
14	AVSS (VCO)	———	—	—	
15	VCOIN	R3209 (RIGHT)	B-3	WF-1	MAIN C.B.A. (C)
16	AVDD (SDAC)	———	—	—	
17	AVSS (SDAC)	———	—	—	
18	AVDD (TDAC)	———	—	—	
19	OSO	R3209 (LEFT)	B-3	WF-1	MAIN C.B.A. (C)
20	ATFO	———	—	—	
21	AVSS (TFDAC)	———	—	—	
22	FPO	R3211 (RIGHT)	B-3	WF-1	MAIN C.B.A. (C)
23	FPO B	R3212 (LEFT)	B-3	WF-1	MAIN C.B.A. (C)
24	IREF	R3213 (LOWER)	B-3	WF-1	MAIN C.B.A. (C)
25	IBIAS	C3218 (LOWER)	B-3	WF-1	MAIN C.B.A. (C)
26	AVDD (FDA/PWM)	———	—	—	
27	AGCCTL	R3215 (UPPER)	B-3	WF-1	MAIN C.B.A. (C)
28	AVSS (PWM)	———	—	—	
29	REC CUR	CL3201	B-3	WF-1	MAIN C.B.A. (C)
30	TRST	R3201 (UPPER)	B-2	WF-1	MAIN C.B.A. (C)
31	TMS	R3101 (RIGHT)	C-5	WF-1	MAIN C.B.A. (C)
32	TCK	R3151 (LOWER)	C-5	WF-1	MAIN C.B.A. (C)
33	TDO	———	—	—	
34	TDI	CL3214	B-3	WF-1	MAIN C.B.A. (C)
35	SPA	———	—	—	
36	HID1	R3217 (RIGHT)	B-6	WF-97	MAIN C.B.A. (C)
37	DVDD	———	—	—	
38	HID2	IC5001-16	A-3	WF-1	MAIN C.B.A. (C)
39	RECI	IC5001-19	A-3	WF-1	MAIN C.B.A. (C)
40	DVSS	———	—	—	
41	HSE	CL3208	C-3	WF-1	MAIN C.B.A. (C)
42	PBH	R5015 (UPPER)	B-3	WF-1	MAIN C.B.A. (C)
43	EQHLD	IC5001-11	A-3	WF-1	MAIN C.B.A. (C)
44	RECCTL	IC5001-15	A-3	WF-1	MAIN C.B.A. (C)
45	RECCLK	IC5001-10	A-3	WF-190	MAIN C.B.A. (C)
46	DVDD	———	—	—	
47	DRIVECLK	R2222 (UPPER)	B-2	WF-178	MAIN C.B.A. (F)
48	CYLFG	CL2205	B-2	WF-180	MAIN C.B.A. (F)
49	CYLPG	CL2204	C-2	WF-179	MAIN C.B.A. (F)
50	DVSS	———	—	—	
51	DVDD	———	—	—	
52	ADM (0)	———	—	—	
53	DVSS	———	—	—	
54	ADM (2)	———	—	—	
55	ADM (1)	———	—	—	
56	NC	———	—	—	
57	ADM (4)	———	—	—	
58	ADM (3)	———	—	—	
59	DVDD	———	—	—	
60	DVSS	———	—	—	

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
61	ADM (5)	———	—	—	
62	ADM (6)	———	—	—	
63	ADM (7)	———	—	—	
64	ADM (8)	———	—	—	
65	DVDD	———	—	—	
66	ADM (9)	———	—	—	
67	ADM (10)	———	—	—	
68	ADM (11)	———	—	—	
69	DVSS	———	—	—	
70	ADM (12)	———	—	—	
71	ADM (15)	CL3021	B-3	WF-218	MAIN C.B.A. (C)
72	ADM (13)	———	—	—	
73	ADM (14)	———	—	—	
74	XRE	CL3024	C-2	WF-1	MAIN C.B.A. (C)
75	AS	CL3022	C-2	WF-1	MAIN C.B.A. (C)
76	DVDD	———	—	—	
77	XWEL	CL3025	B-5	WF-1	MAIN C.B.A. (F)
78	XWEH	CL3023	C-6	WF-1	MAIN C.B.A. (F)
79	DVSS	———	—	—	
80	DBR (0)	———	—	—	
81	DBR (1)	———	—	—	
82	DBR (2)	———	—	—	
83	DBR (3)	———	—	—	
84	NC	———	—	—	
85	ACKR	CL3205	C-2	WF-1	MAIN C.B.A. (C)
86	REQR	CL3206	C-2	WF-1	MAIN C.B.A. (C)
87	DVDD	———	—	—	
88	CLK27A	CL3003	C-4	WF-122	MAIN C.B.A. (C)
89	DVSS	———	—	—	
90	TSTDT (0)	RL3221	C-2	WF-131	MAIN C.B.A. (C)
91	TSTDT (2)	RL3222	C-2	WF-131	MAIN C.B.A. (C)
92	TSTDT (1)	RL3223	C-2	WF-131	MAIN C.B.A. (C)
93	TSTDT (3)	RL3224	B-1	WF-131	MAIN C.B.A. (C)
94	TSTDT (5)	RL3225	C-1	WF-131	MAIN C.B.A. (C)
95	TSTDT (4)	RL3226	C-2	WF-131	MAIN C.B.A. (C)
96	TSTDT (6)	RL3227	C-2	WF-131	MAIN C.B.A. (C)
97	TSTDT (7)	RL3228	C-2	WF-131	MAIN C.B.A. (C)
98	TSTCKO	———	—	—	
99	DVDD	———	—	—	
100	DVSS	———	—	—	
101	TSTCKI	———	—	—	
102	TSTDT (8)	———	—	—	
103	TSTDT (14)	———	—	—	
104	TSTDT (11)	———	—	—	
105	TSTDT (9)	———	—	—	
106	TSTDT (10)	———	—	—	
107	TSTDT (13)	———	—	—	
108	TSTDT (12)	———	—	—	
109	TSTMD	———	—	—	
110	TSTDT (15)	———	—	—	
111	SCANEI	CL3204	B-2	WF-131	MAIN C.B.A. (C)
112	NC	———	—	—	

(C): COMPONENT SIDE (F): FOIL SIDE

Check Point of the IC3202

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
1	VSS	———	—	—	
2	MON7	———	—	—	
3	MON6	———	—	—	
4	MON5	———	—	—	
5	MON4	———	—	—	
6	VCC	———	—	—	
7	MON3	———	—	—	
8	MON2	———	—	—	
9	MON1	———	—	—	
10	MON0	———	—	—	
11	VSS	———	—	—	
12	VCCA	———	—	—	
13	GNDA	———	—	—	
14	TPBN	CL3212	B-8	WF-1	MAIN C.B.A. (F)
15	TPBP	CL3211	B-8	WF-1	MAIN C.B.A. (F)
16	VCCA	———	—	—	
17	TPAN	CL3210	A-7	WF-1	MAIN C.B.A. (F)
18	TPAP	CL3209	B-8	WF-1	MAIN C.B.A. (F)
19	TPBIAS	R3254 (LOWER)	B-8	WF-1	MAIN C.B.A. (F)
20	GNDA	———	—	—	
21	R0	R3257 (LEFT)	B-8	WF-1	MAIN C.B.A. (F)
22	R1	R3258 (LOWER)	B-8	WF-1	MAIN C.B.A. (F)
23	VCCA	———	—	—	
24	PLLFLT0	C3255 (LOWER)	B-8	WF-1	MAIN C.B.A. (F)
25	PLLFLT1	C3255 (UPPER)	B-8	WF-1	MAIN C.B.A. (F)
26	VDDPLL	———	—	—	
27	VSSPLL	———	—	—	
28	XI	CL3004	C-5	WF-181	MAIN C.B.A. (F)
29	PWRDN	CL3217	C-8	WF-1	MAIN C.B.A. (F)
30	XPRST	CL3216	C-6	WF-1	MAIN C.B.A. (F)
31	CNA	CL3218	B-7	WF-1	MAIN C.B.A. (F)
32	VCC	———	—	—	
33	XINTP	———	—	—	
34	XLRST	CL3215	C-6	WF-1	MAIN C.B.A. (F)
35	LREQ	———	—	—	
36	SYSCLK	———	—	—	
37	VSS	———	—	—	
38	CTL1	———	—	—	
39	CTL0	———	—	—	
40	D7	———	—	—	
41	D6	———	—	—	
42	VCC	———	—	—	
43	D5	———	—	—	
44	D4	———	—	—	
45	D3	———	—	—	
46	D2	———	—	—	
47	VSS	———	—	—	
48	D1	———	—	—	
49	D0	———	—	—	
50	ADM15	CL3021	B-3	WF-218	MAIN C.B.A. (C)
51	ADM14	———	—	—	
52	VCC	———	—	—	
53	ADM13	———	—	—	
54	ADM12D	———	—	—	
55	ADM11	———	—	—	
56	ADM10	———	—	—	
57	VSS	———	—	—	
58	ADM9	———	—	—	
59	ADM8	———	—	—	
60	ADM7.	———	—	—	

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
61	ADM6	———	—	—	
62	VCC	———	—	—	
63	ADM5	———	—	—	
64	ADM4	———	—	—	
65	ADM3	———	—	—	
66	ADM2	———	—	—	
67	VSS	———	—	—	
68	ADM1	———	—	—	
69	ADM0	———	—	—	
70	F SCLK	———	—	—	
71	XRE	CL3024	C-2	WF-1	MAIN C.B.A. (C)
72	VCC	———	—	—	
73	XWEL	CL3025	B-5	WF-1	MAIN C.B.A. (F)
74	AS	CL3022	C-2	WF-1	MAIN C.B.A. (C)
75	DBP3	———	—	—	
76	DBP2	———	—	—	
77	ACKP	———	—	—	
78	VSS	———	—	—	
79	DBP1	———	—	—	
80	REQP	———	—	—	
81	DBP0	———	—	—	
82	INF	———	—	—	
83	VCC	———	—	—	
84	SSP	CL3002	A-7	WF-1	MAIN C.B.A. (F)
85	ENSUS	———	—	—	
86	XTRST	CL3215	C-6	WF-1	MAIN C.B.A. (F)
87	VSS	———	—	—	
88	TDO	CL3214	B-3	WF-30	MAIN C.B.A. (C)
89	FRP	CL3001	A-6	WF-147	MAIN C.B.A. (C)
90	TMS	R3101 (RIGHT)	C-5	WF-1	MAIN C.B.A. (C)
91	TCK	R3151 (LOWER)	C-5	WF-1	MAIN C.B.A. (C)
92	VCC	———	—	—	
93	TDI	———	—	—	
94	CLK27A	CL3003	C-4	WF-122	MAIN C.B.A. (C)
95	VSS	———	—	—	
96	TEST3	CL3221		WF-1	
97	TEST2	CL3221		WF-1	
98	TEST1	CL3221		WF-1	
99	TEST0	CL3221		WF-1	
100	VCC	———	—	—	

(C): COMPONENT SIDE (F):FOIL SIDE

Check Point of the IC3501

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
1	VDD	———	—	—	
2	VDD	———	—	—	
3	VDD	———	—	—	
4	MONI 0 (6)	———	—	—	
5	MONI 0 (5)	———	—	—	
6	AVDD 2.5	———	—	—	
7	AVSS	———	—	—	
8	AVBB	———	—	—	
9	Y AINC	R3580 (LOWER)	C-4	WF-1	MOTHER C.B.A. (C)
10	Y AINT	Q3508-E	C-4	WF-1	MOTHER C.B.A. (F)
11	Y REFBOT	IC3502-6	C-5	WF-1	MOTHER C.B.A. (F)
12	Y CML	C3509 (RIGHT)	B-5	WF-1	MOTHER C.B.A. (F)
13	Y REFTOP	IC3502-1	C-5	WF-1	MOTHER C.B.A. (F)
14	Y ITEST	C3510 (LEFT)	C-4	WF-1	MOTHER C.B.A. (C)
15	Y STBY	———	—	—	
16	Y SPEEDUP	———	—	—	
17	VCD2	———	—	—	
18	DVSS	———	—	—	
19	AVBB	———	—	—	
20	DVDD2.5	———	—	—	
21	Y EOC	———	—	—	
22	Y STC	———	—	—	
23	C STC	———	—	—	
24	C EOC	———	—	—	
25	DVDD2.5	———	—	—	
26	DVSS	———	—	—	
27	AVBB	———	—	—	
28	VDD2	———	—	—	
29	C SPEEDUP	———	—	—	
30	C STBY	———	—	—	
31	C ITEST	C3512 (LEFT)	C-4	WF-1	MOTHER C.B.A. (C)
32	C REFTOP	IC3502-1	C-5	WF-1	MOTHER C.B.A. (F)
33	C CML	C3513 (RIGHT)	C-5	WF-1	MOTHER C.B.A. (F)
34	C REFBOT	IC3502-6	C-5	WF-1	MOTHER C.B.A. (F)
35	C AINT	R3580 (UPPER)	C-4	WF-1	MOTHER C.B.A. (C)
36	C AINC	R3580 (LOWER)	C-4	WF-1	MOTHER C.B.A. (C)
37	AVBB	———	—	—	
38	AVSS	———	—	—	
39	AVDD2.5	———	—	—	
40	MONI 0 (4)	———	—	—	
41	MONI 0 (3)	———	—	—	
42	VSS	———	—	—	
43	VSS	———	—	—	
44	VSS	———	—	—	
45	VDD	———	—	—	
46	VDD	———	—	—	
47	VDD	———	—	—	
48	MONI 0 (2)	———	—	—	
49	MONI 0 (1)	———	—	—	
50	VDD	———	—	—	
51	MONI 0 (0)	———	—	—	
52	VSS	———	—	—	
53	VDD	———	—	—	
54	FS MODE	———	—	—	
55	INF 1	———	—	—	
56	INF 0	———	—	—	
57	FS ENBL	———	—	—	
58	VDD	———	—	—	
59	CLK27M	CL3009	C-5	WF-131	MAIN C.B.A. (C)
60	VDDC	———	—	—	

CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
61	YC STP	———	—	—	
62	VSS	———	—	—	
63	YC SDA	R2003 (UPPER)	B-4	WF-1	MAIN C.B.A. (F)
64	VSS	———	—	—	
65	NOSYNC	———	—	—	
66	YC SCK	———	—	—	
67	LSI RESET	R3501 (RIGHT)	C-4	WF-6	MOTHER C.B.A. (C)
68	PS	QR3502-B	B-5	WF-1	MOTHER C.B.A. (C)
69	VDDC	———	—	—	
70	VBLK 0	C3517 (LEFT)	C-4	WF-1	MOTHER C.B.A. (C)
71	VBLK1	———	—	—	
72	MONI SEL I (5)	———	—	—	
73	MONI SEL I (4)	———	—	—	
74	MONI SEL I (3)	———	—	—	
75	MONI SEL I (2)	———	—	—	
76	MONI SEL I (1)	———	—	—	
77	MONI SEL I (0)	———	—	—	
78	TMS	R3594 (UPPER)	C-6	WF-1	MOTHER C.B.A. (F)
79	TCK	R3592 (UPPER)	C-6	WF-1	MOTHER C.B.A. (F)
80	VSS	———	—	—	
81	TRST	R3501 (LEFT)	C-4	WF-1	MOTHER C.B.A. (C)
82	TDI	R3502 (LEFT)	C-6	WF-1	MOTHER C.B.A. (F)
83	TDO	———	—	—	
84	P M SEL	———	—	—	
85	CAM IN SEL	———	—	—	
86	VSS	———	—	—	
87	VSS	———	—	—	
88	VSS	———	—	—	
89	VDD	———	—	—	
90	VDD	———	—	—	
91	VDD	———	—	—	
92	VDD	———	—	—	
93	VIDEO S I	R3556 (RIGHT)	B-5	WF-131	MOTHER C.B.A. (F)
94	INH	CL3010	B-5	WF-1	MAIN C.B.A. (C)
95	CPSYNC	CL3503	C-4	WF-1	MOTHER C.B.A. (C)
96	COLOR FRAM	CL3504	C-3	WF-1	MOTHER C.B.A. (C)
97	VSS	———	—	—	
98	VSS	———	—	—	
99	C O O (0)	———	—	—	
100	VDD	———	—	—	
101	C O O (1)	———	—	—	
102	C O O (2)	———	—	—	
103	C O O (3)	———	—	—	
104	VDD	———	—	—	
105	C O O (4)	———	—	—	
106	VSS	———	—	—	
107	C O O (5)	———	—	—	
108	C O O (6)	———	—	—	
109	C O O (7)	———	—	—	
110	VSS	———	—	—	
111	Y O O (0)	———	—	—	
112	Y O O (1)	———	—	—	
113	VDD	———	—	—	
114	INV	CL3011	B-5	WF-1	MAIN C.B.A. (C)
115	Y O O (2)	———	—	—	
116	Y O O (3)	———	—	—	
117	VDD	———	—	—	
118	Y O O (4)	———	—	—	
119	Y O O (5)	———	—	—	
120	Y O O (6)	———	—	—	

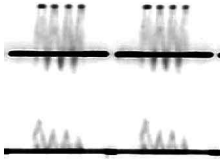
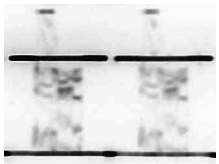
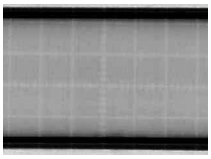
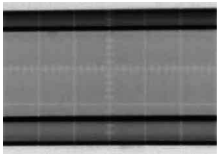
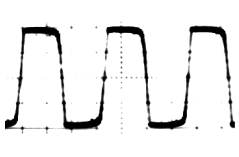
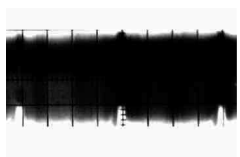
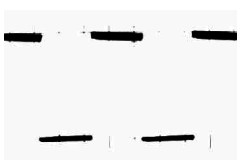
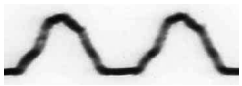
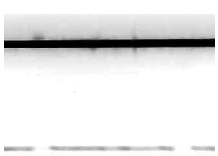
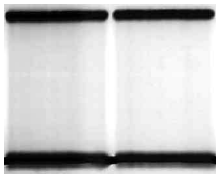
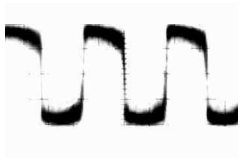
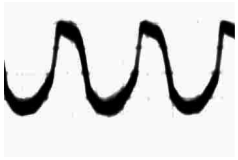
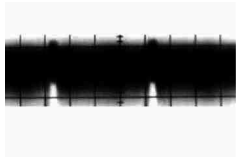
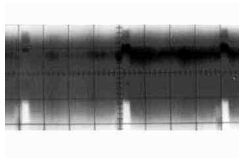
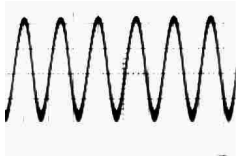
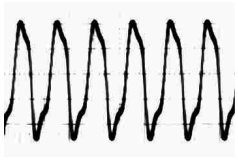
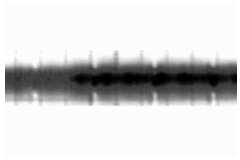
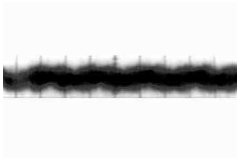
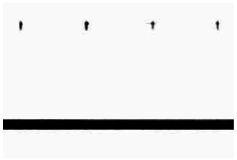
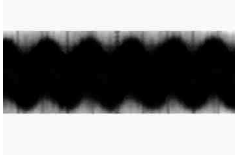
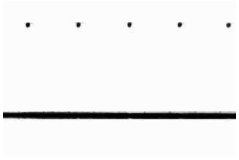
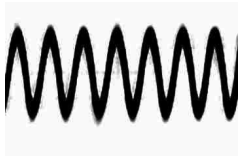
(C): COMPONENT SIDE (F):FOIL SIDE

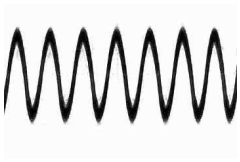
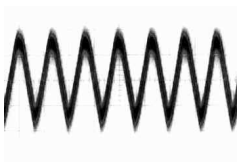
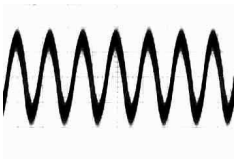
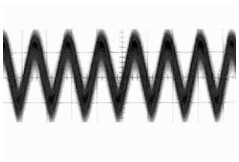
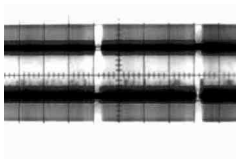
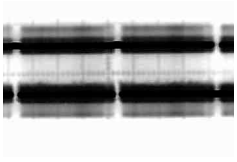
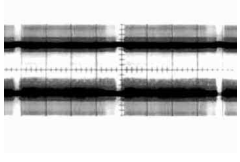
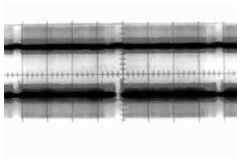
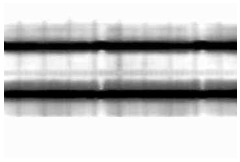
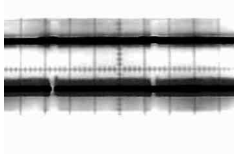
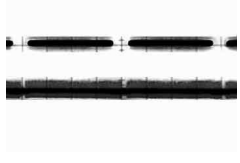
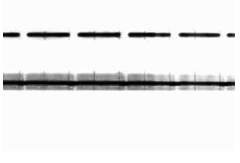
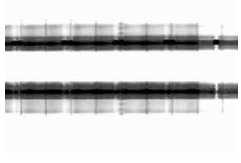
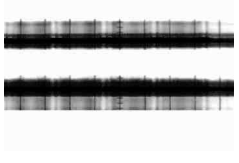
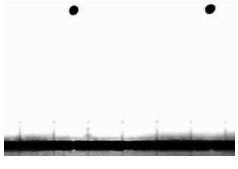
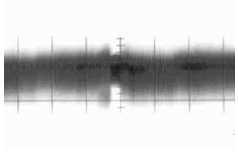
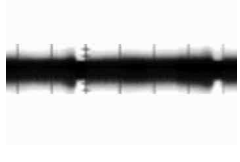
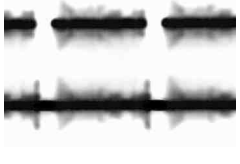
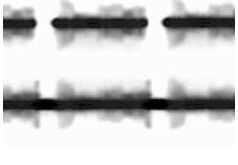
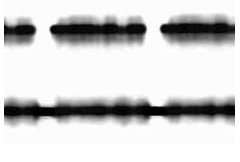
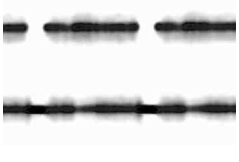
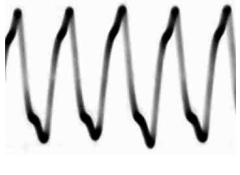
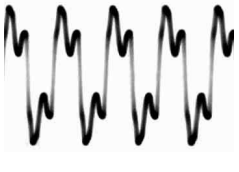
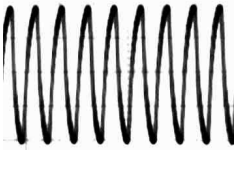
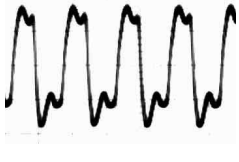
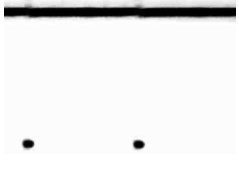
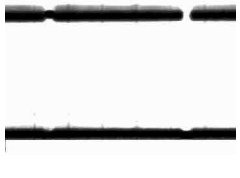
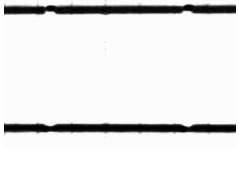
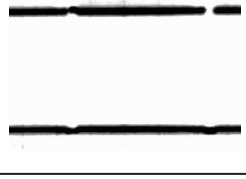
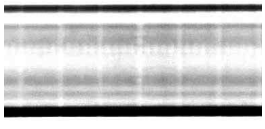
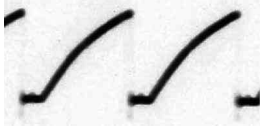
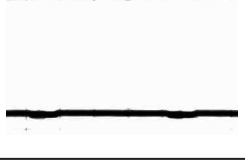
Check Point of the IC3501

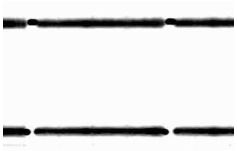
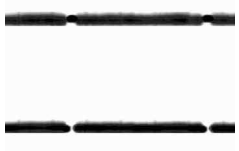
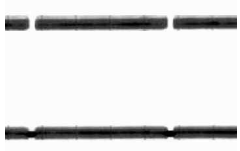
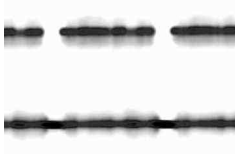
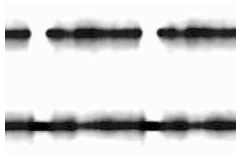
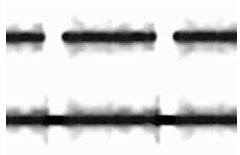
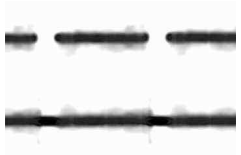
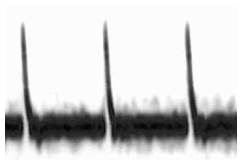
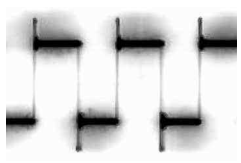
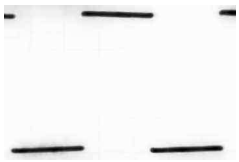
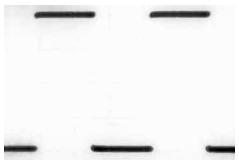
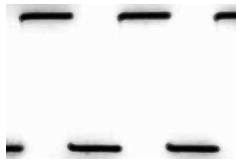
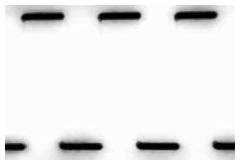
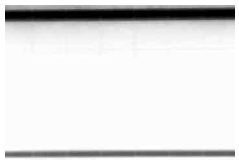
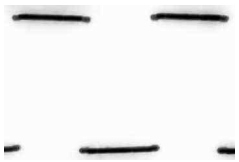
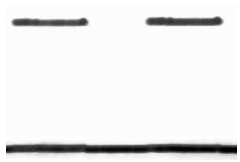
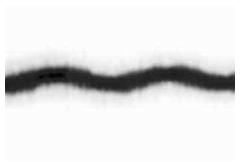
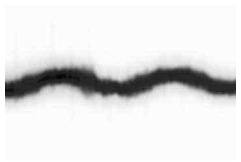
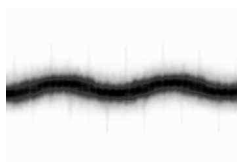
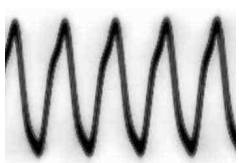
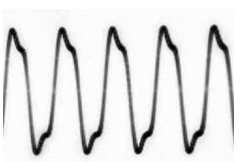
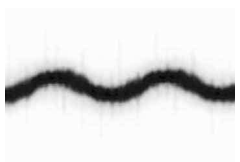
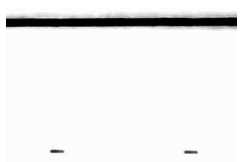
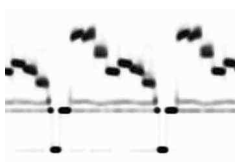
CSP IC		Check Point		WF NO.	Remarks
Pin	Name				
121	Y O O (7)	———	—	—	
122	Y O O (8)	———	—	—	
123	Y O O (9)	———	—	—	
124	VSS	———	—	—	
125	CAM Y (0)	———	—	—	
126	CAM Y (1)	———	—	—	
127	CAM Y (2)	———	—	—	
128	CAM Y (3)	———	—	—	
129	VDD	———	—	—	
130	VDD	———	—	—	
131	VDD	———	—	—	
132	VSS	———	—	—	
133	VSS	———	—	—	
134	VSS	———	—	—	
135	CAM Y (4)	———	—	—	
136	VDD	———	—	—	
137	CAM Y (5)	———	—	—	
138	VDD	———	—	—	
139	CAM INH	———	—	—	
140	CAM INV	———	—	—	
141	VSS	———	—	—	
142	VDD	———	—	—	
143	CAM C (0)	———	—	—	
144	VSS	———	—	—	
145	VSS	———	—	—	
146	CLK 135M	CL3108	B-5	WF-33	MAIN C.B.A. (C)
147	VDD	———	—	—	
148	VDD	———	—	—	
149	VDD	———	—	—	
150	CAM C (1)	———	—	—	
151	CAM C (2)	———	—	—	
152	CAM C (3)	———	—	—	
153	CAM C (4)	———	—	—	
154	VSS	———	—	—	
155	CAM C (5)	———	—	—	
156	VSS	———	—	—	
157	CAM C (6)	———	—	—	
158	CAM C (7)	———	—	—	
159	VSS	———	—	—	
160	VSS	———	—	—	
161	CAM Y (6)	———	—	—	
162	CAM Y (7)	———	—	—	
163	CAM Y (8)	———	—	—	
164	CAM Y (9)	———	—	—	
165	VDD	———	—	—	
166	ALL HIZ N	———	—	—	
167	NANDTREE 1	———	—	—	
168	NANDTREE 2	———	—	—	
169	VSS	———	—	—	
170	VSS	———	—	—	
171	MONI 0 (9)	———	—	—	
172	MONI 0 (8)	———	—	—	
173	MONI 0 (7)	———	—	—	
174	VSS	———	—	—	
175	VSS	———	—	—	
176	VSS	———	—	—	

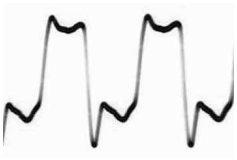
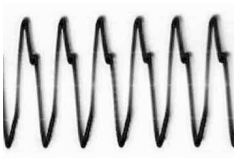
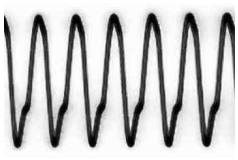
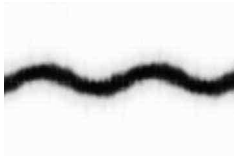
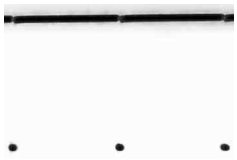
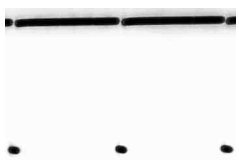
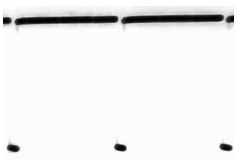
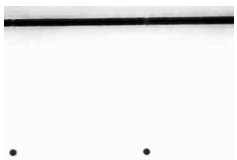
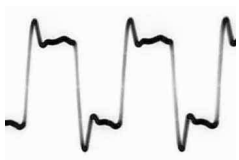
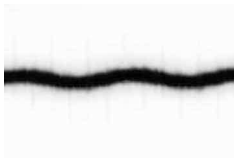
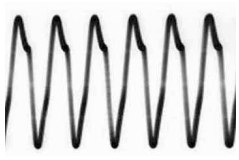
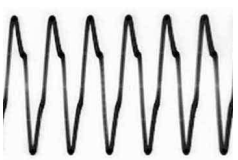
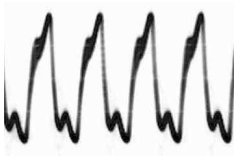
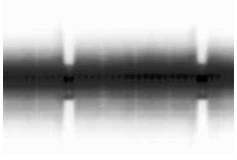
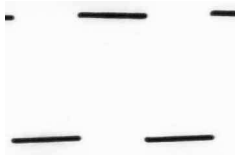
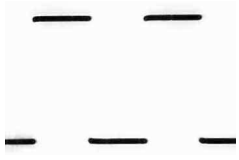
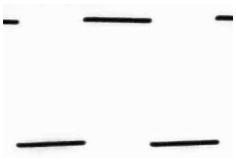
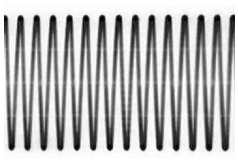
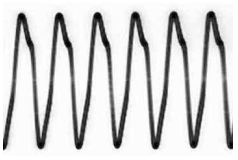
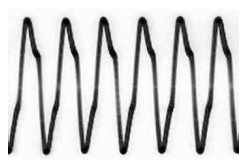
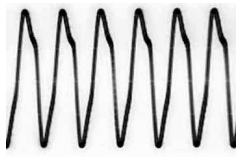
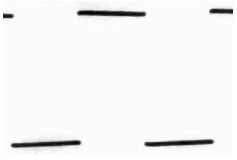
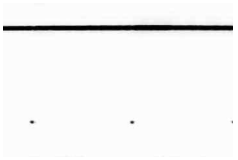
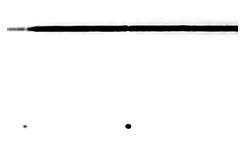
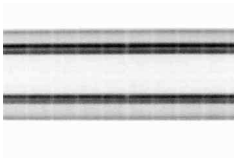
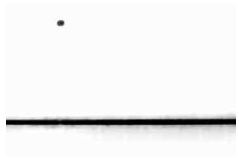
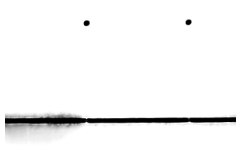
(C): COMPONENT SIDE (F): FOIL SIDE

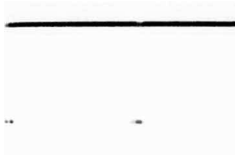
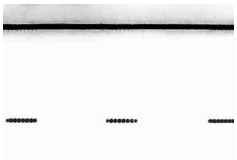
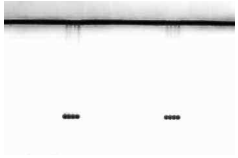
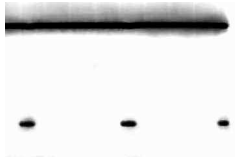
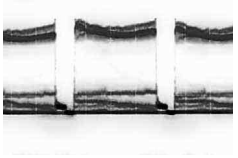
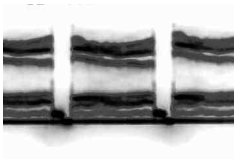
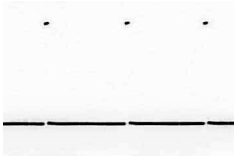
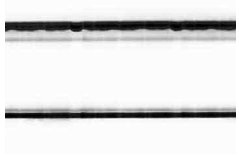
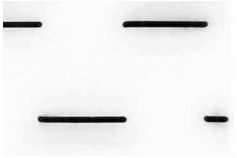
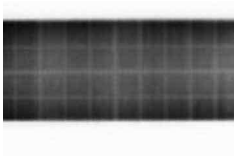
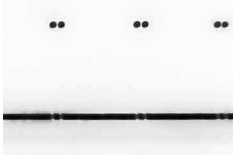
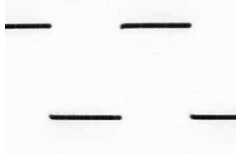
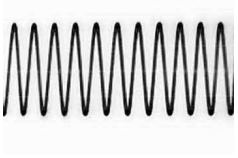
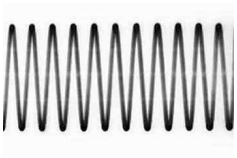
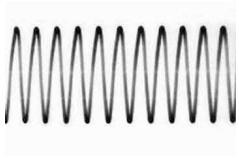
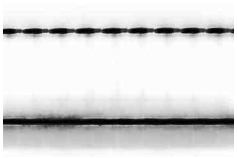
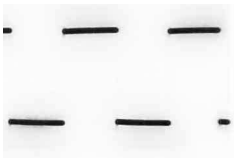
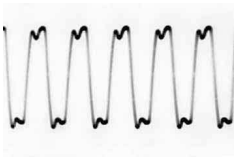
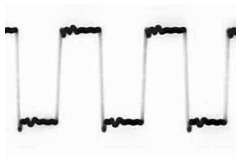
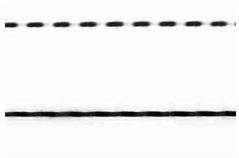
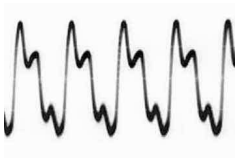
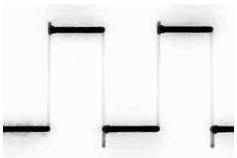
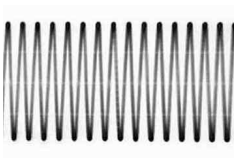
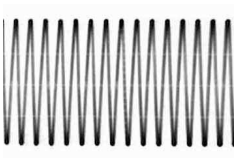
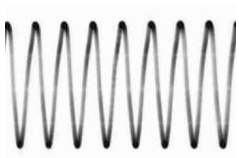
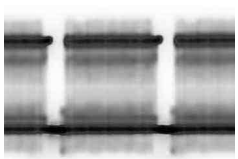
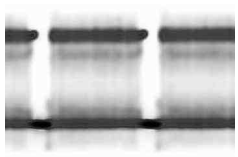
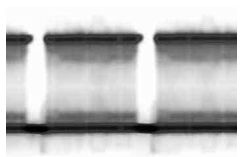
9.2. WAVEFORM TABLE (PLAY MODE)

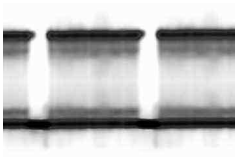
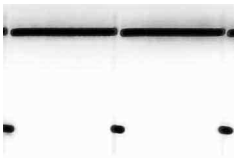
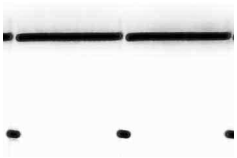
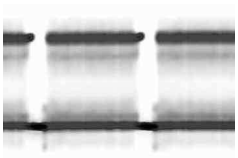
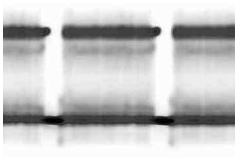
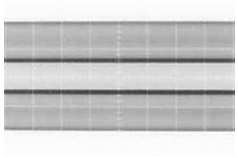
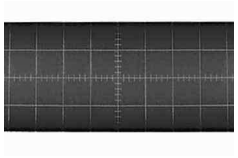
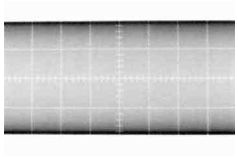
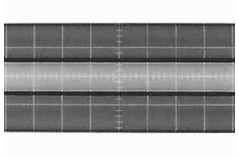
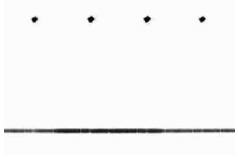
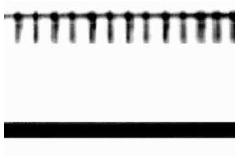
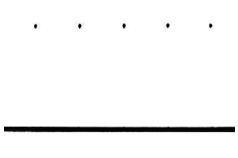
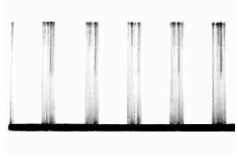
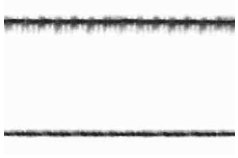
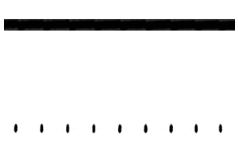
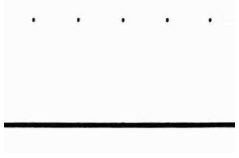
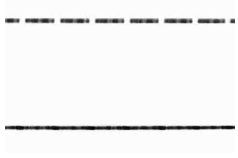
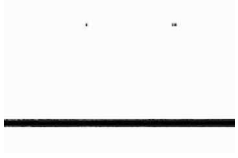
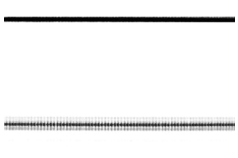
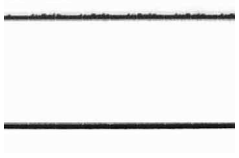
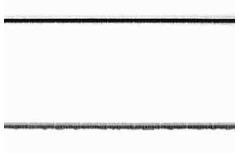
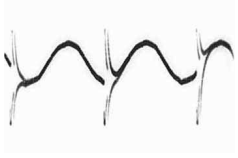
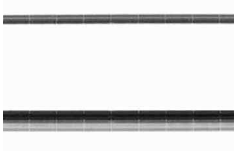
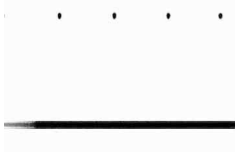
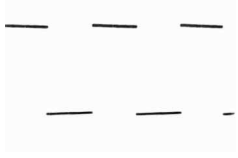
WF-1	WF-2	WF-3	WF-4	WF-5
WF-6	WF-7	WF-8	WF-9 	WF-10 
WF-11 	WF-12 	WF-13 	WF-14 	WF-15
WF-16	WF-17 	WF-18 	WF-19 	WF-20 
WF-21	WF-22 	WF-23	WF-24	WF-25
WF-26 	WF-27	WF-28 	WF-29 	WF-30
WF-31	WF-32	WF-33 	WF-34 	WF-35 
WF-36 	WF-37 	WF-38 	WF-39 	WF-40 

WF-41 	WF-42 	WF-43 	WF-44 	WF-45 
WF-46 	WF-47 	WF-48 	WF-49 	WF-50 
WF-51 	WF-52 	WF-53 	WF-54	WF-55 
WF-56	WF-57	WF-58 	WF-59 	WF-60
WF-61 	WF-62 	WF-63 	WF-64 	WF-65 
WF-66 	WF-67 	WF-68 	WF-69	WF-70 
WF-71	WF-72	WF-73 	WF-74 	WF-75 
WF-76 	WF-77 	WF-78	WF-79 	WF-80 

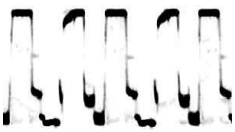
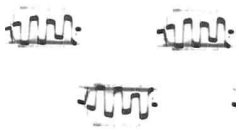
WF-81	WF-82 	WF-83	WF-84 	WF-85 
WF-86	WF-87 	WF-88 	WF-89 	WF-90 
WF-91	WF-92	WF-93	WF-94 	WF-95 
WF-96 	WF-97 	WF-98 	WF-99 	WF-100
WF-101 	WF-102 	WF-103	WF-104	WF-105
WF-106 	WF-107	WF-108	WF-109 	WF-110 
WF-111 	WF-112 	WF-113 	WF-114 	WF-115 
WF-116	WF-117	WF-118	WF-119 	WF-120

WF-121 	WF-122 	WF-123 	WF-124 	WF-125
WF-126 	WF-127 	WF-128 	WF-129 	WF-130 
WF-131 	WF-132 	WF-133 	WF-134 	WF-135
WF-136 	WF-137	WF-138	WF-139 	WF-140 
WF-141 	WF-142	WF-143 	WF-144 	WF-145 
WF-146 	WF-147 	WF-148	WF-149 	WF-150 
WF-151	WF-152 	WF-153	WF-154	WF-155
WF-156 	WF-157	WF-158	WF-159	WF-160 

WF-161	WF-162	WF-163 	WF-164	WF-165
WF-166 	WF-167	WF-168 	WF-169 	WF-170
WF-171 	WF-172 	WF-173	WF-174 	WF-175 
WF-176	WF-177 	WF-178 	WF-179 	WF-180 
WF-181 	WF-182 	WF-183 	WF-184 	WF-185 
WF-186 	WF-187 	WF-188 	WF-189 	WF-190 
WF-191 	WF-192 	WF-193	WF-194	WF-195 
WF-196	WF-197	WF-198 	WF-199 	WF-200 

WF-201 	WF-202 	WF-203 	WF-204 	WF-205 
WF-206	WF-207	WF-208 	WF-209 	WF-210 
WF-211 	WF-212 	WF-213	WF-214 	WF-215
WF-216	WF-217 	WF-218 	WF-219 	WF-220 
WF-221 	WF-222	WF-223 	WF-224 	WF-225 
WF-226 	WF-227 	WF-228	WF-229 	WF-230 
WF-231	WF-232 	WF-233 	WF-234	WF-235
WF-236				

10 WAVEFORM TABLE

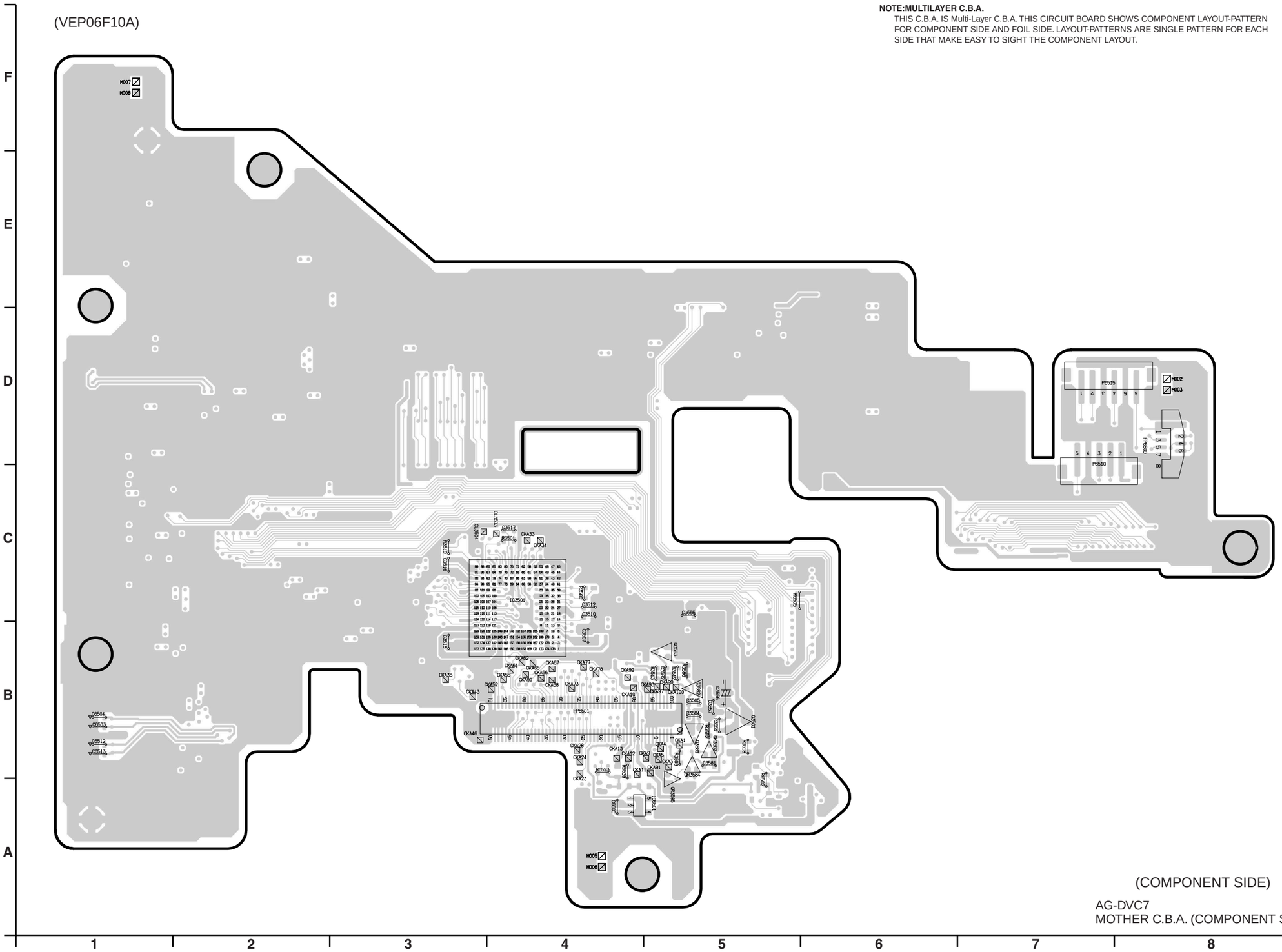
P851-11 REC/PLAY 0.7Vp-p (20usec.div.)	 P851-12 REC/PLAY 0.7Vp-p (20usec.div.)	P851-13 REC/PLAY 0.7Vp-p (20usec.div.)	IC901-1 REC/PLAY 0.8Vp-p (20usec.div.)	 IC901-4 REC/PLAY 4.2Vp-p (20usec.div.)
IC901-6 REC/PLAY 4.0Vp-p (20usec.div.)	IC901-9 REC/PLAY 4.2Vp-p (20usec.div.)	IC901-45 REC/PLAY 2.4Vp-p (20usec.div.)	IC901-46 REC/PLAY 2.4Vp-p (20usec.div.)	IC901-47 REC/PLAY 0.7Vp-p (20usec./div.)
IC901-48 REC/PLAY 0.7Vp-p (20usec./div.)				

11 CIRCUIT BOARD ASSEMBLIES

11.1. MOTHER C.B.A. (COMPONENT SIDE)

(VEP06F10A)

NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



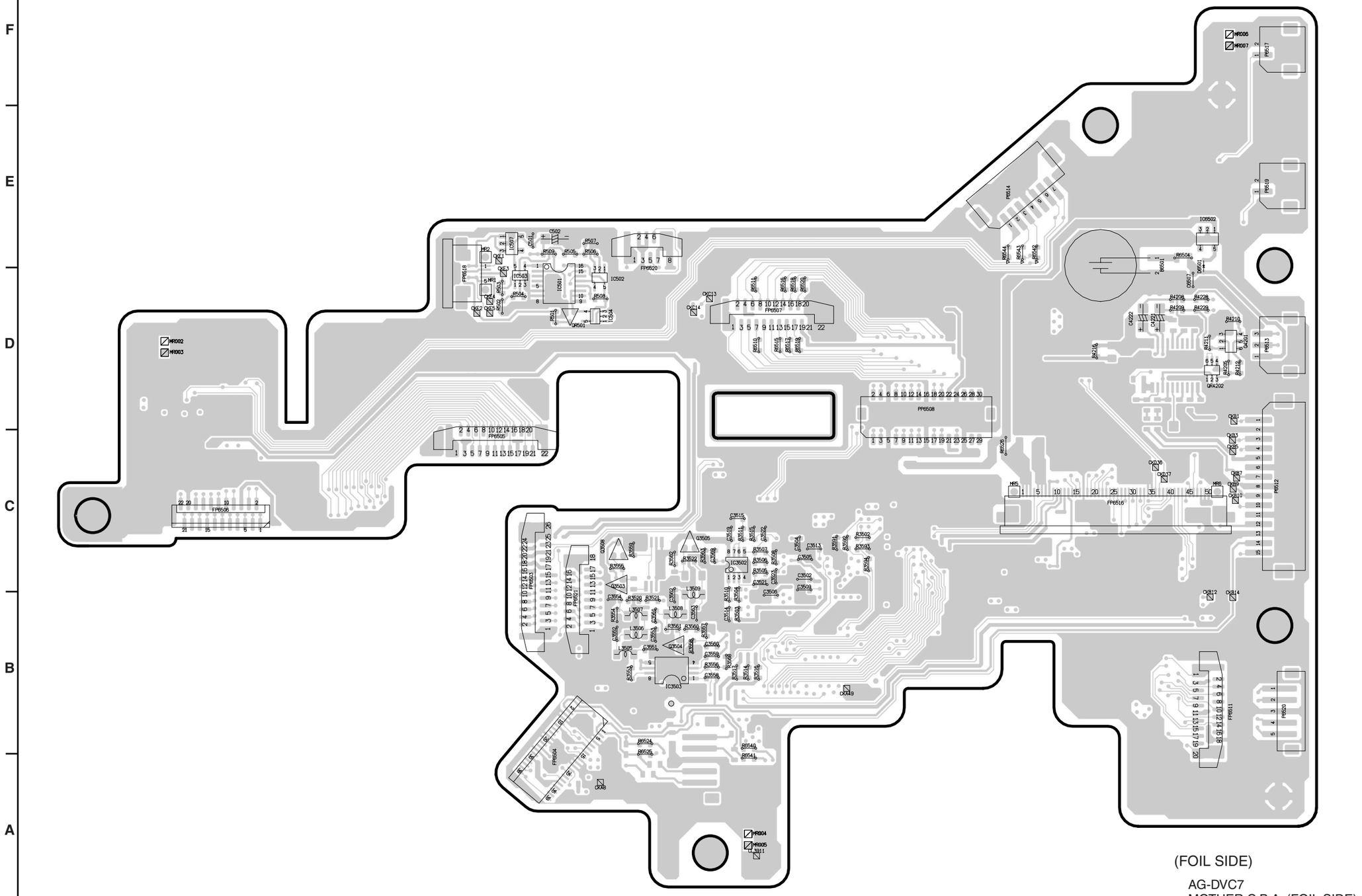
(COMPONENT SIDE)

AG-DVC7
MOTHER C.B.A. (COMPONENT SIDE)

11.2. MOTHER C.B.A. (FOIL SIDE)

(VEP06F10A)

NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



(FOIL SIDE)

AG-DVC7
MOTHER C.B.A. (FOIL SIDE)

11.3. MOTHER C.B.A. ADDRESS INFORMATION

Mother C.B.A.

Integrated Circuit			P6512	C-8	**F**	C3519	C-5	**F**	R3503	B-5	**F**	R3593	C-6	**F**
IC501	D-4	**F**	P6513	D-8	**F**	C3521	C-5	**F**	R3504	B-5	**F**	R3594	C-6	**F**
IC502	D-4	**F**	P6514	E-7	**F**	C3522	C-5	**F**	R3505	C-5	**F**	R4205	D-8	**F**
IC503	E-4	**F**	P6515	D-7	**C**	C3523	C-5	**F**	R3506	C-5	**F**	R4208	D-8	**F**
IC504	D-4	**F**	P6517	F-8	**F**	C3551	B-4	**F**	R3507	C-5	**F**	R4209	D-8	**F**
IC507	E-4	**F**	P6519	E-8	**F**	C3552	B-4	**F**	R3508	C-5	**F**	R4210	D-8	**F**
IC3501	C-4	**C**	P6520	B-8	**F**	C3553	B-4	**F**	R3509	B-5	**C**	R4211	D-8	**F**
IC3502	C-5	**F**	PP6501	B-4	**C**	C3554	B-4	**F**	R3510	B-5	**F**	R4212	D-8	**F**
IC3503	B-5	**F**	PP6508	D-6	**F**	C3555	C-5	**C**	R3511	C-5	**F**	R4216	D-7	**F**
IC6501	A-4	**C**	**Test Point**			C3556	B-5	**C**	R3512	B-5	**C**	R4228	D-8	**F**
IC6502	E-8	**F**	CL3503	C-4	**C**	C3557	B-5	**C**	R3513	B-5	**C**	R4229	D-8	**F**
Transistor			CL3504	C-3	**C**	C3558	B-5	**F**	R3514	B-5	**F**	R6502	A-5	**C**
Q3501	B-5	**C**	CL3911	A-5	**F**	C3559	B-5	**F**	R3515	C-5	**F**	R6504	E-8	**F**
Q3503	C-4	**F**	**Battery**			C3560	B-5	**F**	R3516	B-5	**F**	R6505	C-5	**C**
Q3504	B-5	**F**	B6501	E-8	**F**	C3561	B-4	**F**	R3517	B-5	**F**	R6510	D-5	**F**
Q3505	C-5	**F**	**Diode**			C3562	B-5	**F**	R3518	B-5	**C**	R6511	D-5	**F**
Q3508	C-4	**F**	D6501	E-8	**F**	C3563	B-5	**F**	R3519	C-3	**C**	R6515	D-5	**F**
Q3581	B-5	**C**	**Coil**			C3569	C-5	**F**	R3520	B-4	**F**	R6516	D-5	**F**
Q3582	B-5	**C**	L3505	B-4	**F**	C3581	B-5	**C**	R3521	B-4	**F**	R6517	D-5	**F**
Q3583	B-5	**C**	L3506	B-4	**F**	C3582	B-5	**C**	R3522	C-5	**F**	R6518	D-5	**F**
Q4201	D-8	**F**	L3507	B-4	**F**	C4221	D-8	**F**	R3551	B-5	**C**	R6519	D-5	**F**
Transistor & Resistor			L3508	B-5	**F**	C4222	D-7	**F**	R3552	B-5	**C**	R6520	D-5	**F**
QR501	D-4	**F**	L3509	B-5	**F**	C6503	B-1	**C**	R3553	B-4	**F**	R6523	B-4	**C**
QR3502	B-5	**C**	**Capacitor**			C6504	B-1	**C**	R3554	B-4	**F**	R6524	B-4	**F**
QR3584	B-5	**C**	C501	E-4	**F**	C6505	A-4	**C**	R3555	C-4	**F**	R6525	A-4	**F**
QR3585	A-5	**C**	C502	E-4	**F**	C6507	D-8	**F**	R3556	B-5	**F**	R6526	C-7	**F**
QR4202	D-8	**F**	C3502	C-5	**F**	C6512	B-1	**C**	R3557	B-5	**F**	R6539	B-4	**C**
Connector			C3504	C-5	**F**	C6513	B-1	**C**	R3558	B-5	**F**	R6540	A-5	**F**
FP6503	C-4	**F**	C3505	C-5	**F**	**Resistor**			R3559	C-4	**F**	R6541	A-5	**F**
FP6504	A-4	**F**	C3506	B-5	**F**	R501	D-4	**F**	R3560	B-5	**F**	R6542	E-7	**F**
FP6505	C-3	**F**	C3507	B-4	**C**	R502	D-3	**F**	R3561	B-5	**F**	R6543	E-7	**F**
FP6506	C-2	**F**	C3509	B-5	**F**	R503	D-3	**F**	R3562	C-5	**F**	R6544	E-7	**F**
FP6507	D-5	**F**	C3510	C-4	**C**	R504	D-4	**F**	R3563	C-5	**F**			
FP6509	D-8	**C**	C3512	C-4	**C**	R505	E-4	**F**	R3568	B-5	**F**			
FP6511	B-8	**F**	C3513	C-5	**F**	R506	E-4	**F**	R3580	C-4	**C**			
FP6516	C-7	**F**	C3514	B-5	**F**	R507	E-4	**F**	R3584	B-5	**C**			
FP6518	E-3	**F**	C3515	C-5	**F**	R508	D-4	**F**	R3585	B-5	**C**			
FP6520	E-4	**F**	C3516	C-3	**C**	R509	E-4	**F**	R3586	B-5	**C**			
FP6521	B-4	**F**	C3517	C-4	**C**	R3501	C-4	**C**	R3591	C-6	**F**			
P6510	D-7	**C**	C3518	B-3	**C**	R3502	C-6	**F**	R3592	C-6	**F**			

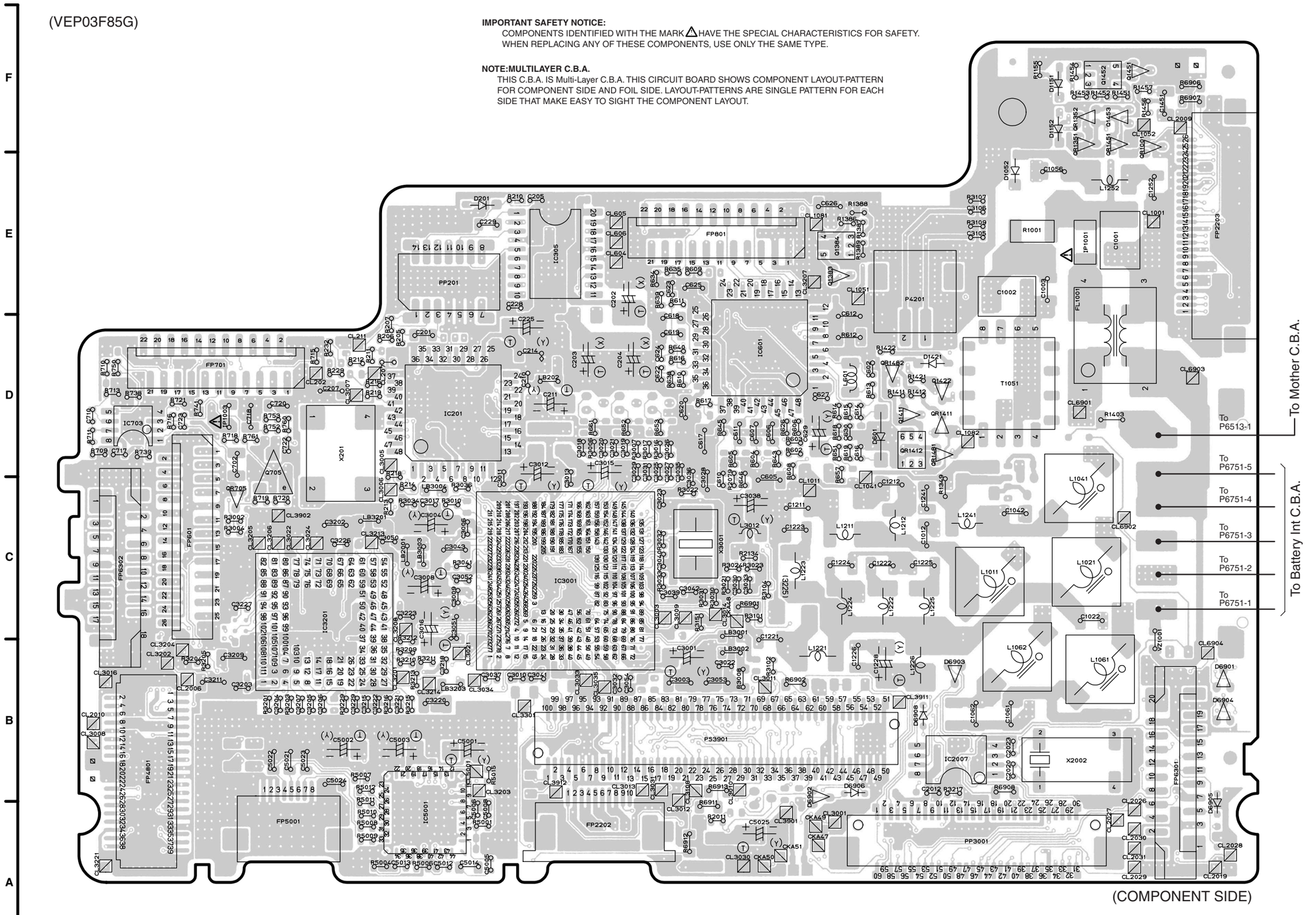
ADDRESS INFORMATION C---COMPONENT SIDE F---FOIL SIDE

11.4. MAIN C.B.A. (COMPONENT SIDE)

(VEP03F85G)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



(COMPONENT SIDE)

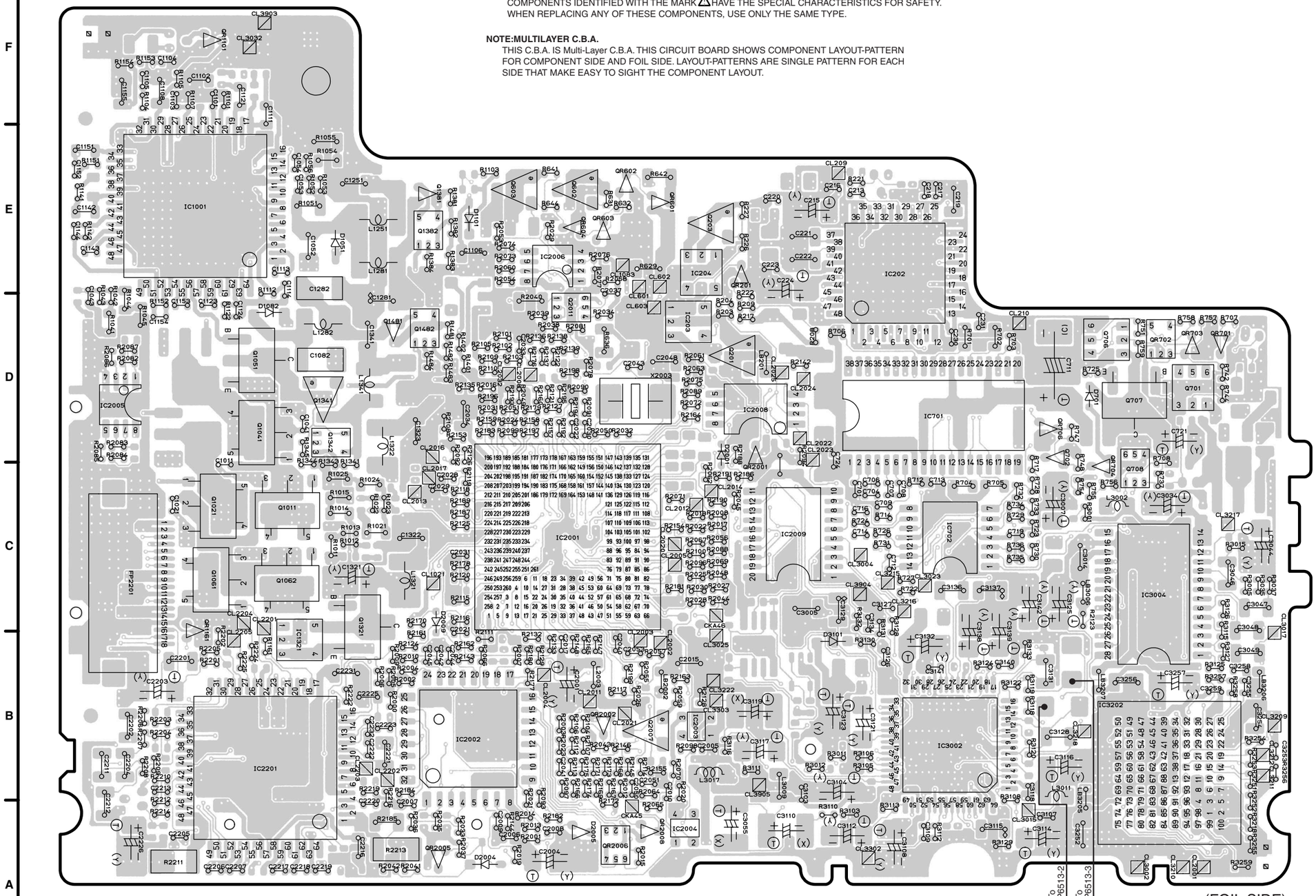
AG-DVC7
MAIN C.B.A. (COMPONENT SIDE)

11.5. MAIN C.B.A. (FOIL SIDE)

(VEP03F85G)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



(FOIL SIDE)

To Mother C.B.A.

AG-DVC7
MAIN C.B.A. (FOIL SIDE)

11.6. MAIN C.B.A. ADDRESS INFORMATION

Main C.B.A.

Integrated Circuit			FP2201	C-1	F	CL3034	B-3	C	L1281	E-3	F	C714	C-5	F	C2053	B-4	F	C3125	C-7	F	R618	D-6	C	R1043	D-1	F	R2038	D-4	F	R2138	D-4	F	R3031	C-5	C
IC201	D-3	C	FP2202	A-4	C	CL3035	B-4	C	L1282	D-2	F	C716	C-5	F	C2201	B-1	F	C3126	B-6	F	R619	D-6	C	R1044	D-1	F	R2039	D-4	F	R2139	D-4	F	R3032	C-4	C
IC202	E-6	F	FP2203	E-8	C	CL3108	B-5	C	L1321	C-3	F	C717	D-1	C	C2202	B-1	F	C3127	C-6	F	R626	D-5	C	R1045	D-1	F	R2040	D-4	F	R2142	D-5	F	R3033	C-4	C
IC203	D-4	F	FP4801	B-1	C	CL3201	B-3	C	L1322	D-3	F	C718	D-2	C	C2203	B-1	F	C3128	B-7	F	R629	E-4	F	R1051	E-2	F	R2041	A-3	F	R2143	B-3	F	R3034	C-3	C
IC204	E-5	F	FP5001	A-2	C	CL3202	B-1	C	L1341	D-3	F	C719	C-6	F	C2204	B-1	F	C3129	C-5	F	R631	E-4	F	R1052	E-2	F	R2042	A-3	F	R2144	A-3	F	R3035	C-8	F
IC305	E-4	C	FP6301	B-8	C	CL3203	B-3	C	L2003	B-4	F	C720	D-2	C	C2205	A-1	F	C3131	B-7	F	R632	E-4	F	R1053	E-2	F	R2043	B-4	F	R2145	B-4	F	R3036	C-3	C
IC601	D-5	C	FP6302	C-1	C	CL3204	B-2	C	L3002	C-7	F	C721	D-7	F	C2206	A-2	F	C3132	B-6	F	R634	E-4	C	R1054	E-2	F	R2044	C-5	F	R2146	B-4	F	R3037	C-8	F
IC701	D-6	F	P4201	E-6	C	CL3205	C-2	C	L3009	B-5	F	C722	D-2	C	C2207	A-2	F	C3134	C-6	F	R635	E-5	C	R1055	E-2	F	R2045	C-5	F	R2147	B-4	F	R3041	C-3	C
IC702	C-6	F	PP201	E-3	C	CL3206	C-2	C	L3011	B-7	F	C723	D-2	C	C2211	B-1	F	C3136	C-6	F	R636	D-4	F	R1056	E-2	F	R2048	C-5	F	R2148	B-4	F	R3101	C-5	C
IC703	D-1	C	PP3001	A-6	C	CL3207	E-5	C	L3012	C-5	C	C724	D-5	F	C2212	A-1	F	C3137	C-6	F	R638	D-5	C	R1101	F-2	F	R2049	D-3	F	R2153	D-3	F	R3102	B-5	C
IC1001	E-2	F	PS3901	B-5	C	CL3208	C-3	C	L3017	B-5	F	C1011	C-2	F	C2213	B-1	F	C3138	B-6	F	R639	E-4	C	R1103	E-3	F	R2050	D-4	F	R2154	C-4	F	R3103	A-5	F
IC1321	B-2	F	**Test Point**			CL3209	B-8	F	LB201	D-5	F	C1021	C-1	F	C2216	A-3	F	C3139	B-6	F	R640	D-5	C	R1104	F-1	F	R2051	D-3	F	R2155	B-4	F	R3104	C-5	C
IC2001	C-4	F	CL202	D-2	C	CL3210	A-7	F	LB202	D-4	C	C1041	D-2	F	C2217	A-2	F	C3140	B-6	F	R641	E-4	F	R1105	F-1	F	R2053	E-3	F	R2157	D-4	F	R3105	B-6	F
IC2002	B-3	F	CL207	D-3	C	CL3211	B-8	F	LB2001	C-3	C	C1043	D-1	F	C2218	A-2	F	C3141	B-6	F	R642	E-4	F	R1107	F-2	F	R2054	E-3	F	R2158	D-4	F	R3106	B-6	F
IC2003	B-5	F	CL209	E-5	F	CL3212	B-8	F	LB2002	B-4	F	C1052	E-2	F	C2219	A-2	F	C3142	C-6	F	R643	D-5	C	R1112	D-2	F	R2055	B-4	F	R2159	D-3	F	R3107	E-6	C
IC2004	A-4	F	CL210	D-6	F	CL3213	C-3	C	LB3001	C-5	C	C1053	E-2	F	C2220	A-3	F	C3202	C-2	C	R644	E-4	F	R1122	D-2	F	R2056	C-5	F	R2160	D-4	F	R3108	B-6	F
IC2005	D-1	F	CL211	D-3	C	CL3214	B-3	C	LB3002	B-5	C	C1054	E-2	F	C2221	B-3	F	C3203	B-2	C	R645	D-5	C	R1141	E-1	F	R2057	B-4	F	R2161	B-3	F	R3109	E-6	C
IC2006	E-4	F	CL601	E-4	F	CL3215	C-6	F	LB3003	C-3	C	C1056	E-7	C	C2222	B-3	F	C3204	B-2	C	R646	C-5	C	R1142	E-1	F	R2058	E-4	F	R2162	B-3	F	R3110	A-5	F
IC2007	B-6	C	CL602	E-4	F	CL3216	C-6	F	LB3004	C-3	C	C1061	B-7	C	C2223	B-3	F	C3205	B-2	C	R651	D-6	C	R1151	E-1	F	R2059	B-4	F	R2163	B-4	F	R3111	B-5	F
IC2008	D-5	F	CL603	D-4	F	CL3217	C-8	F	LB3006	C-7	F	C1062	B-6	C	C2225	B-3	F	C3206	B-2	C	R652	D-4	C	R1152	D-1	F	R2060	E-3	F	R2164	D-4	F	R3112	A-6	F
IC2009	C-5	F	CL604	E-4	C	CL3218	B-7	F	LB3201	C-3	C	C1082	D-2	F	C2226	A-1	F	C3207	B-2	C	R653	D-4	C	R1153	F-1	F	R2061	D-5	F	R2165	B-4	F	R3113	A-6	F
IC2201	B-2	F	CL605	E-4	C	CL3221	A-1	C	LB3203	B-3	C	C1101	F-2	F	C2231	B-2	F	C3209	B-2	C	R657	D-6	C	R1154	F-1	F	R2062	C-5	F	R2166	B-4	F	R3115	C-8	F
IC3001	C-4	C	CL606	E-4	C	CL3222	B-5	F	LB3205	B-7	F	C1102	F-2	F	C2232	B-3	F	C3211	B-2	C	R661	D-4	C	R1155	F-7	C	R2063	D-5	F	R2167	B-4	F	R3116	B-5	F
IC3002	B-6	F	CL1001	E-8	C	CL3301	B-4	C	LB3206	B-8	F	C1103	F-1	F	C3001	B-5	C	C3215	B-3	C	R701	D-6	F	R1161	B-2	F	R2064	B-4	F	R2168	B-4	F	R3118	B-6	F
IC3004	C-7	F	CL1011	C-5	C	CL3302	A-6	F	LB3207	B-7	F	C1104	F-1	F	C3003	B-5	C	C3218	B-3	C	R702	D-6	F	R1341	C-2	F	R2065	A-4	F	R2169	B-4	F	R3119	B-6	F
IC3201	C-2	C	CL1021	C-3	F	CL3303	B-5	F	**Filter**			C1105	F-1	F	C3004	C-3	C	C3220	B-3	C	R703	D-6	F	R1343	C-2	F	R2066	B-3	F	R2170	C-3	F	R3120	B-6	F
IC3202	B-7	F	CL1041	C-6	C	CL3901	A-5	C	FL1001	D-7	C	C1106	E-3	F	C3005	C-5	F	C3221	B-3	C	R704	C-6	F	R1344	C-2	F	R2067	C-5	F	R2171	B-4	F	R3122	B-6	F
IC5001	A-3	C	CL1051	E-6	C	CL3902	C-2	C	**Transformer**			C1108	F-1	F	C3006	C-3	C	C3222	B-3	C	R705	C-6	F	R1345	D-2	F	R2069	C-5	F	R2172	A-4	F	R3124	B-6	F
Transistor			CL1052	F-7	C	CL3903	F-2	F	T1051	D-7	C	C1111	F-2	F	C3007	C-7	F	C3223	C-3	C	R706	D-5	F	R1349	C-6	C	R2070	B-4	F	R2173	B-4	F	R3125	B-8	F
Q201	D-5	F	CL1081	E-5	C	CL3904	C-5	F	**Crystal Oscillator**			C1113	E-2	F	C3008	C-3	C	C3226	C-3	C	R707	D-8	F	R1381	E-3	F	R2071	C-4	F	R2174	B-4	F	R3126	C-8	F
Q203	E-5	F	CL1082	D-6	C	CL3905	B-5	F	X201	D-3	C	C1114	E-2	F	C3009	C-3	C	C3227	C-2	C	R708	C-7	F	R1382	E-3	F	R2072	D-4	F	R2175	B-4	F	R3127	B-8	F
Q602	E-4	F	CL1083	E-4	F	CL3911	B-6	C	X2002	B-7	C	C1121	F-2	F	C3010	B-4	C	C3229	B-3	C	R709	D-1	C	R1383	E-3	F	R2073	E-3	F	R2176	D-4	F	R3128	C-6	F
Q603	E-3	F	CL2001	A-8	F	CL3912	B-4	C	X2003	D-4	F	C1123	D-2	F	C3011	C-4	C	C3252	A-7	F	R710	D-1	C	R1384	E-3	F	R2074	E-3	F	R2177	B-4	F	R3129	A-6	F
Q701	D-7	F	CL2002	B-4	F	CL5001	B-3	C	X3001	C-5	C	C1124	D-2	F	C3012	D-4	C	C3253	B-8	F	R711	D-1	C	R1386	E-6	C	R2075	D-4	F	R2178	C-3	F	R3130	B-6	F
Q702	D-7	F	CL2003	B-4	F	CL6901	D-7	C	**Capacitor**			C1142	E-1	F	C3013	C-4	C	C3254	B-8	F	R712	C-6	F	R1387	E-6	C	R2076	E-4	F	R2179	D-4	F	R3131	C-6	F
Q705	D-2	C	CL2004	B-4	F	CL6902	C-7	C	C201	D-3	C	C1143	E-1	F	C3014	C-7	F	C3255	B-8	F	R713	D-1	C	R1388	E-6	C	R2077	E-4	F	R2180	B-4	F	R3132	C-5	F
Q706	D-7	F	CL2005	C-4	F	CL6903	D-8	C	C202	E-4	C	C1144	E-1	F	C3015	D-4	C	C3256	B-7	F	R714	C-6	F	R1389	E-6	C	R2078	D-4	F	R2181	C-4	F	R3133	B-6	F
Q707	D-7	F	CL2006	B-2	C	CL6904	B-8	C	C203	D-4	C	C1151	E-1	F	C3016	C-3	C	C3257	B-7	F	R715	D-2	C	R1401	D-3	F	R2079	C-5	C	R2182	A-4	F	R3151	C-5	C
Q708	C-7	F	CL2008	D-4	F	RL3221	C-2	C	C204	D-4	C	C1152	E-1	F	C3017	C-3	C	C3258	B-8	F	R716	D-1	C	R1402	D-3	F	R2081	D-4	F	R2183	D-3	F	R3201	B-2	C
Q1011	C-2	F	CL2009	F-8	C	RL3222	C-2	C	C205	E-4	C	C1153	D-1	F	C3018	D-4	C	C3259	B-8	F	R717	C-6	F	R1403	D-7	C	R2082	D-1	F	R2184	B-3	F	R3203	B-2	C
Q1021	C-2	F	CL2010	B-1	C	RL3223	C-2	C	C207	D-2	C	C1154	D-1	F	C3019	D-4	C	C5001	B-3	C	R718	D-2	C	R1411	D-6	C	R2083	D-1	F	R2185	A-3	F	R3204	B-2	C
Q1041	D-2	F	CL2011	B-4	F	RL3224	B-1	C	C210	D-4	C	C1155	F-1	F	C3020	D-4	C	C5002	B-3	C	R719	C-2	C	R1412	D-6	C	R2084	D-1	F	R2186	C-5	F	R3205	B-2	C
Q1051	D-2	F	CL2012	C-5	F	RL3225	C-1	C	C211	D-4	C	C1211	C-5	C	C3021	D-4	C	C5003	B-3	C	R720	C-2	C	R1421	D-6	C	R2085	D-1	F	R2187	C-3	F	R3209	B-3	C
Q1061	C-2	F	CL2013	C-3	F	RL3226	C-2	C	C213	E-5	F	C1212	C-6	C	C3022	B-5	C	C5005	A-3	C	R721	D-2	C	R1422	D-6	C	R2086	D-1	F	R2188	D-5	F	R3210	B-3	C
Q1062	C-2	F	CL2014	C-5	F	RL3227	C-2	C	C214	D-4	C	C1221	C-5	C	C3023	C-4	C	C5006	A-3	C	R722	C-6	F	R1451	F-7	C	R2087	D-1	F	R2189	C-3	F	R3211	B-3	C
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Q1341	D-2	F	CL2017	C-3	F	**Fuse**			C216	E-5	F	C1223	C-5	C	C3026	D-5	C	C5012	A-3	C	R724	C-5	F	R1453	F-7	C	R2089	D-4	F	R2191	C-5	F	R3213	B-3	C
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Q1382	E-3	F	CL2021	B-4	F	**Diode**			C219	E-6	F	C1226	B-6	C	C3029	D-4	C	C5021	B-2	C	R727	C-6	F	R1457	F-7	C	R2092	D-3	F	R2194	D-4	F	R3217	B-6	C
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Q1384	E-6	C	CL2023	D-5	F	D601	D-6	C	C221	E-5	F	C1241	C-6	C	C3031	D-4	C	C5023	B-2	C	R729	C-6	F	R1482	D-3	F	R2094	D-5	F	R2196	D-3	F	R3229	B-3	C
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Q1451	F-7	C	CL2026	A-7	C	D1052	E-7	C	C224	E-5	F	C1281	D-3	F	C3034	C-7	F	**Resistor**			R732	C-6	F	R2000	B-3	F	R2098	B-4	F	R2199	B-4	F	R3253	B-8	F
Q1452	F-7	C	CL2027	A-7	C	D1082	D-2	F	C225	D-4	C	C1282	E-2	F	C3035	D-5	C	R203	D-5	F	R733	C-6	F	R2001	A-4	F	R2099	D-3	F	R2201	B-2	F	R3254	B-8	F
Q1453	F-7	C	CL2028	A-8	C	D1101	E-3	F	C228	E-4	C	C1321	C-2	F	C3036	C-5	C	R204	D-5	F	R734	C-6	F	R2002	B-3	F	R2100	C-5	F	R2202	B-2	F	R3255	A-8	F
Q1481	D-3	F	CL2029	A-7	C	D1151	F-7	C	C229	E-3	C	C1322	C-3	F	C3037	B-3	C	R205	D-3	C	R735	C-6	F	R2003	B-4	F	R2101	D-3	F	R2203	B-1	F	R3256	B-8	F
Q1482	D-3	F	CL2030	A-7	C	D1152	F-7	C	C230	D-6	F	C1323	D-3	F	C3038	C-5	C	R206	D-3	C	R736	C-6	F	R2004	B-3	F	R2102	D-3	F	R2204	B-1	F	R3257	B-8	F
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Q2011	D-4	F	CL2032	D-3	F	D2001	D-5	F	C602	D-6	C	C1451	F-8	C	C3040	C-4	C	R208	D-5	F	R738	D-1	C	R2006	B-3	F	R2104	B-4	F	R2206	B-1	F	R3259	A-8	F
Transistor & Resistor			CL2201	C-2	F	D2004	A-3	F	C605	C-5	C	C2001	B-4	F	C3041	B-4	C	R209	D-5	F	R739	D-1	C	R2007	B-3	F	R2105	D-3	F	R2207	B-1	F	R5001	A-3	C
QR201	E-5	F	CL2202	B-3	F	D2005	A-4	F	C606	D-5	C	C2004	A-4	F	C3042	C-5	C	R210	E-4	C	R741	D-2	C	R2008	C-5	F	R2106	B-4	F	R2208	B-1	F	R5004	A-3	C
QR601	E-4	F	CL2203	B-3	F	D2009	C-3	F	C607	D-5	C	C2005	B-5	F	C3043	C-3	C	R211	D-3	C	R742	D-8	F	R2009	B-3	F	R2107	B-4	F	R2209	B-1	F	R5006	A-3	C
QR602	E-4	F	CL2204	C-2	F	D3101	B-5	F	C610	C-5	C	C2006	A-3	F	C3044	C-8	F	R212	D-3	C	R744	D-8	F	R2010	B-3	F	R2108	D-3	F	R2210	B-1	F	R5007	B-3	C
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QR704	C-7	F	CL3005	D-3	C	D6906	B-6	C	C618	D-5	C	C2015	B-4	F	C3051	C-3	C	R219	D-3	C	R753	D-2	C	R2016	D-3	F	R2114	B-4	F	R2219	B-3	F	R5015	B-3	C
QR705	C-2	C	CL3006	C-3	C	D6908	B-6	C	C619	D-5	C	C2017	B-4	F	C3052	C-3	C	R221	E-5	F	R754	C-7	F	R2017	C-5	F	R2115	C-3	F	R2222	B-2	F	R6901	C-5	C
QR706	D-7	F	CL3007	D-3	C	**Absorber**			C620	D-5	C	C2020	B-7	C	C3053	B-5	C	R222	D-5	F	R755	C-7	F	R2018	C-5	F	R2116	C-3	F	R2224	B-2	F	R6902	B-5	C
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QR1101	F-2	F	CL3009	C-5	C	**Coil**			C623	E-5	C	C2022	D-4	F	C3055	A-5	F	R227	E-5	F	R757	D-8	F	R2020	B-4	F	R2118	C-3	F	R3001	C-7	F	R6907	F-8	C
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QR1451	F-7	C	CL3015	A-6	F	L1062	B-7	C	C630	D-6	C	C2033	D-3	F	C3108	A-6	F	R605	D-5	C	R1011	C-2	F	R2026	B-4	F	R2124	B-3	F	R3008	B-5	C			
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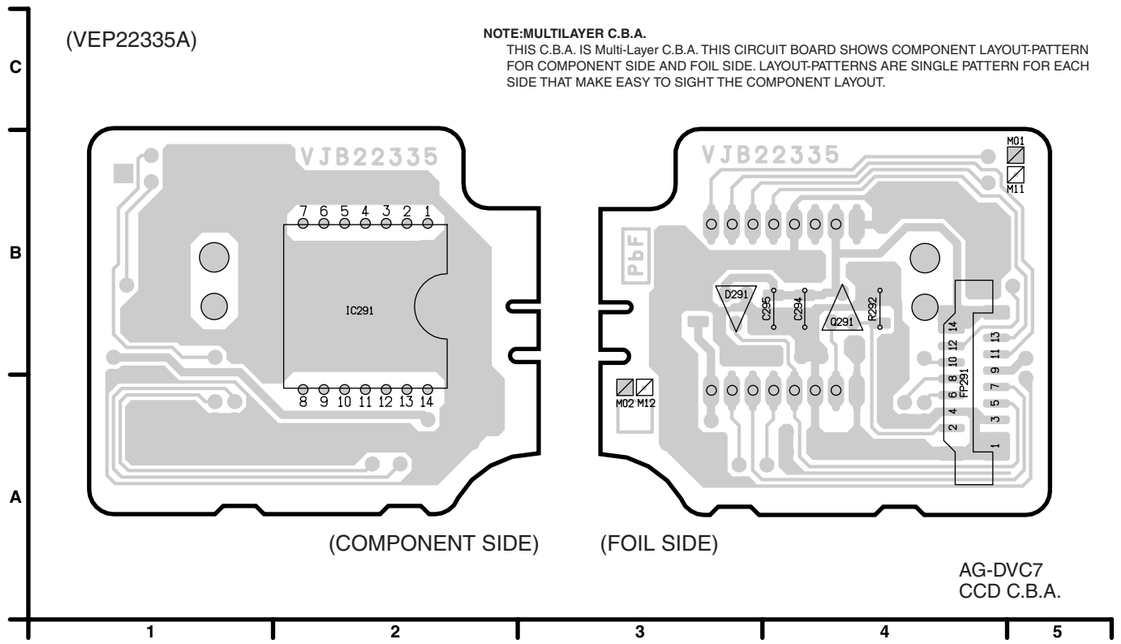
QR1482	D-6	C	CL3017	B-8	F	L1212	C-6	C	C702	D-2	C	C2037	D-4	F	C3110	A-5	F	R608	D-5	C	R1013	C-2	F	R2028	C-5	F	R2126	D-3	F	R3011	B-5	F			
QR2001	D-5	F	CL3021	B-3	C	L1221	B-5	C	C704	C-6	F	C2040	B-4	F	C3112	A-5	F	R609	E-5	C	R1014	C-2	F	R2029	E-4	F	R2127	D-4	F	R3012	B-5	F			
QR2002	B-4	F	CL3022	C-2	C	L1222	C-6	C	C706	C-6	F	C2041	B-4	F	C3114	A-7	F	R610	D-5	C	R1015	C-2	F	R2030	C-5	F	R2128	B-5	F	R3015	C-8	F			
QR2005	A-3	F	CL3023	C-6	F	L1223	C-5	C	C707	C-6	F	C2042	B-3	F	C3115	A-6	F	R611	E-5	C	R1021	C-3	F	R2031	D-3	F	R2129	B-4	F	R3016	D-4	C			
QR2006	A-4	F	CL3024	C-2	C	L1224	C-6	C	C708	C-6	F	C2043	D-4	F	C3116	B-7	F	R612	D-6	C	R1022	C-3	F	R2032	D-4	F	R2132	B-4	F	R3017	D-4	C			
QR2008	A-4	F	CL3025	B-5	F	L1225	C-6	C	C709	C-6	F	C2044	B-3	F	C3117	B-5	F	R613	D-6	C	R1023	C-3	F	R2033	A-3	F	R2133	B-4	F	R3021	C-5	C			
Connector			CL3030	A-5	C	L1226	B-6	C	C710	D-1	C	C2045	B-3	F	C3118	B-6	F	R614	D-6	C	R1024	C-3	F	R2034	D-4	F	R2134	C-5	C	R3022	C-5	C			
FP601	C-2	C	CL3031	B-4	C	L1241	C-6	C	C711	D-7	F	C2048	D-4	F	C3119	B-5	F	R615	D-6	C	R1025	C-2	F	R2035	A-3	F	R2135	D-3	F	R3023	C-5	C			
FP701	D-2	C	CL3032	F-2	F	L1251	E-3	F	C712	C-6	F	C2050	B-4	F	C3121	B-5	F	R616	D-5	C	R1041	D-1	F	R2036	A-3	F	R2136	D-4	F	R3024	C-5	C			
FP801	E-5	C	CL3033	B-4	C	L1252	E-7	C	C713	C-6	F	C2051	B-4	F	C3123	B-5	F	R617	D-5	C	R1042	D-1	F	R2037	A-3	F	R2137	D-4	F	R3030	C-5	C			

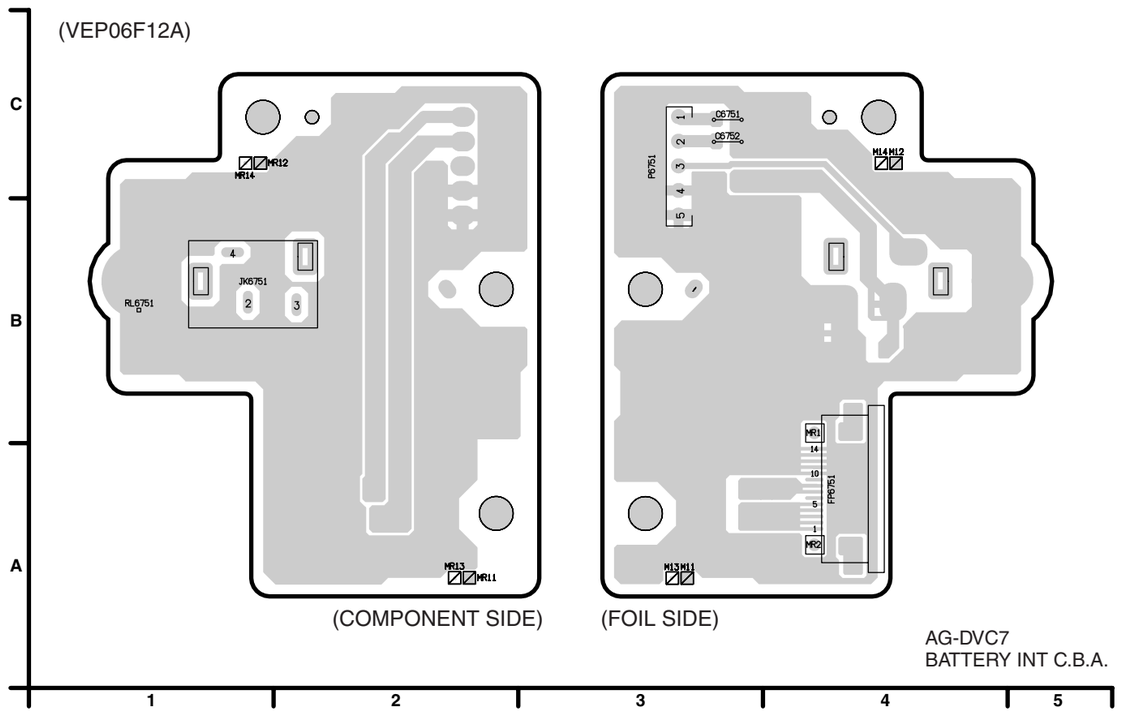
ADDRESS INFORMATION C---COMPONENT SIDE F---FOIL SIDE

AG-DVC7 MAIN C.B.A. ADDRESS INFORMATION

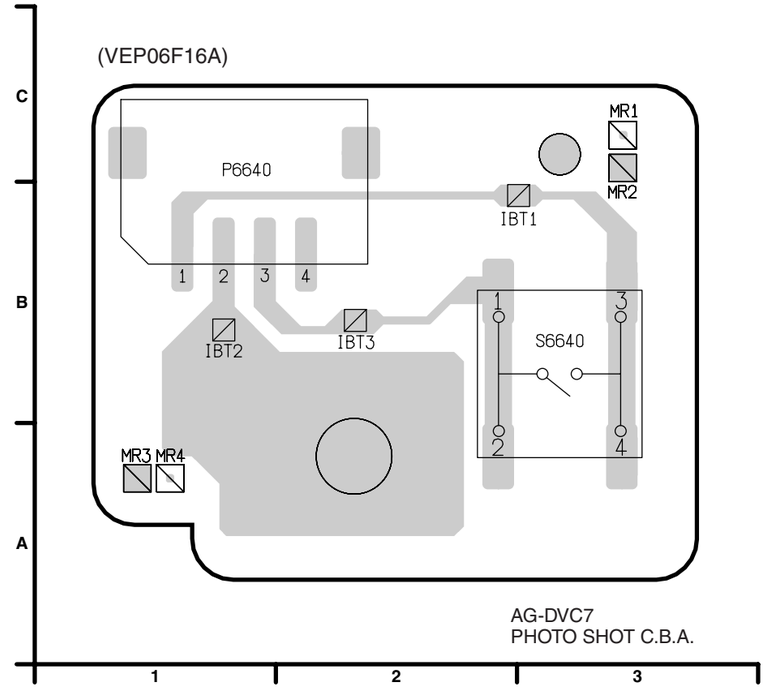
11.7. CCD C.B.A.



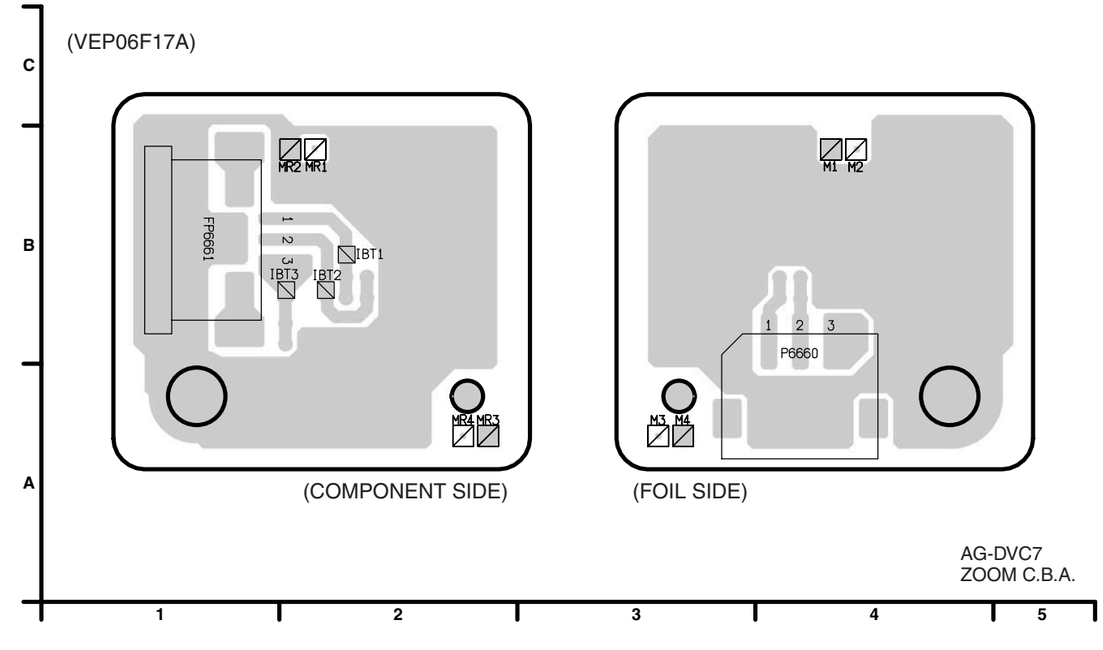
11.8. BATTERY INT C.B.A.



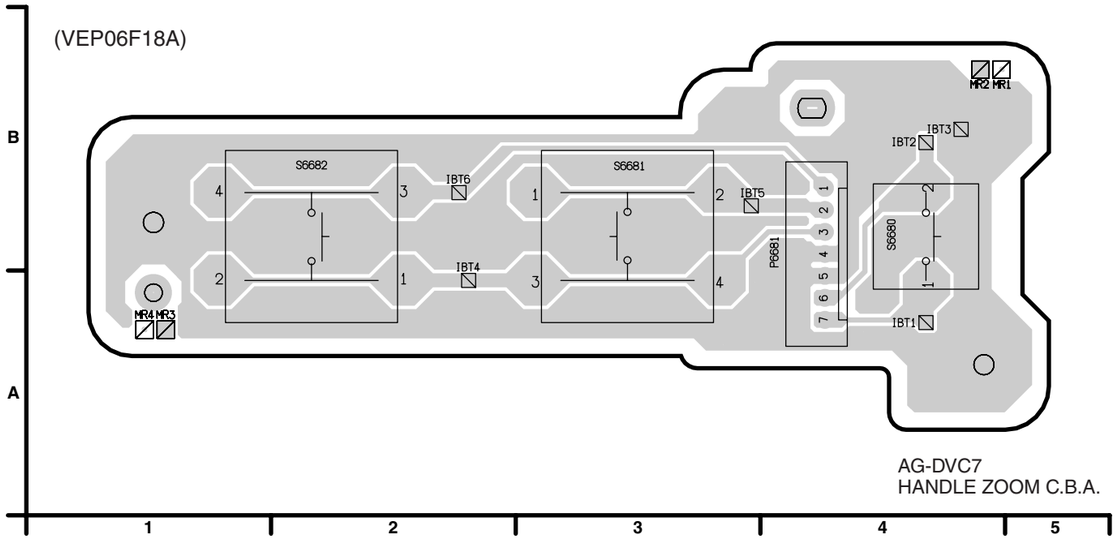
11.9. PHOTO SHOT C.B.A.



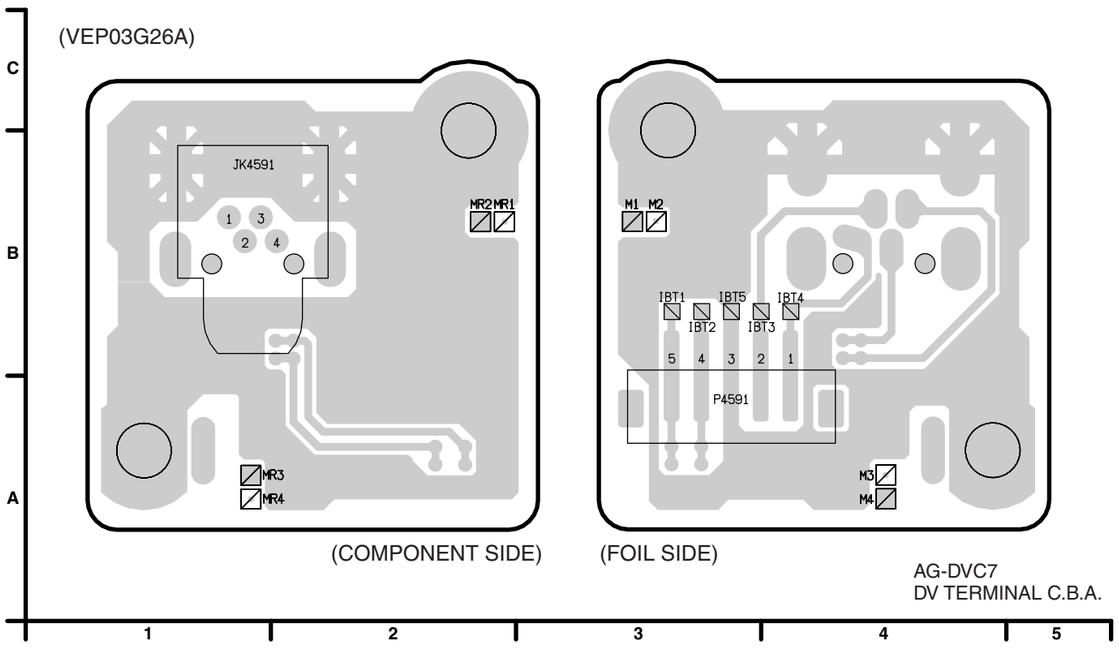
11.10. ZOOM C.B.A.



11.11. HANDLE ZOOM C.B.A.



11.12. DV TERMINAL C.B.A.



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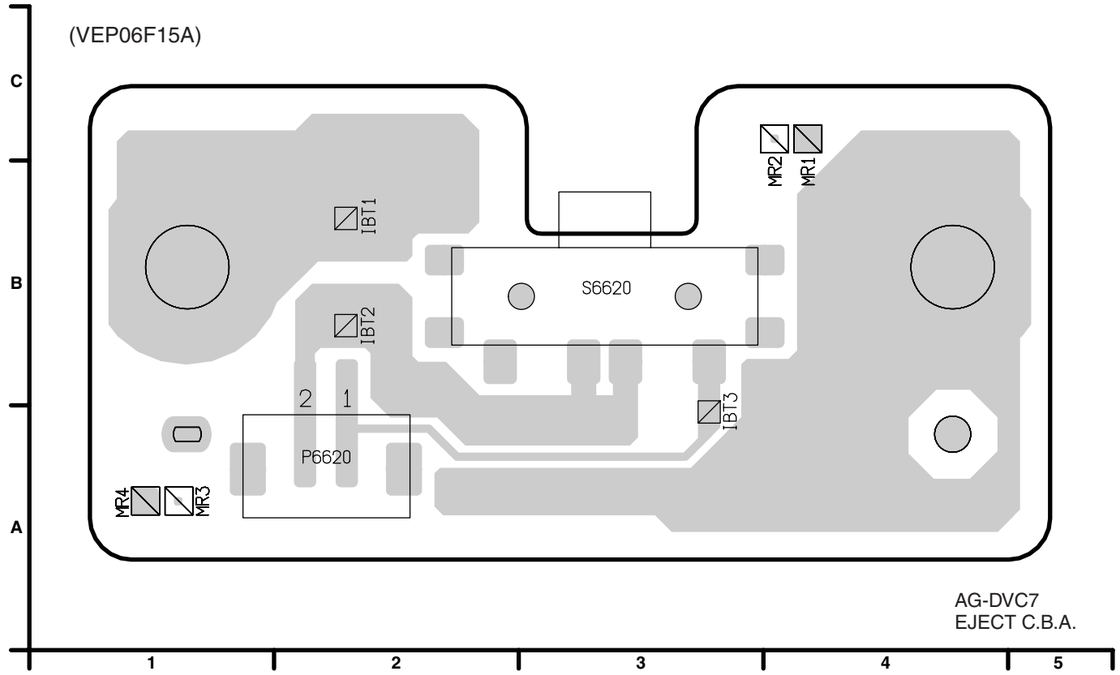
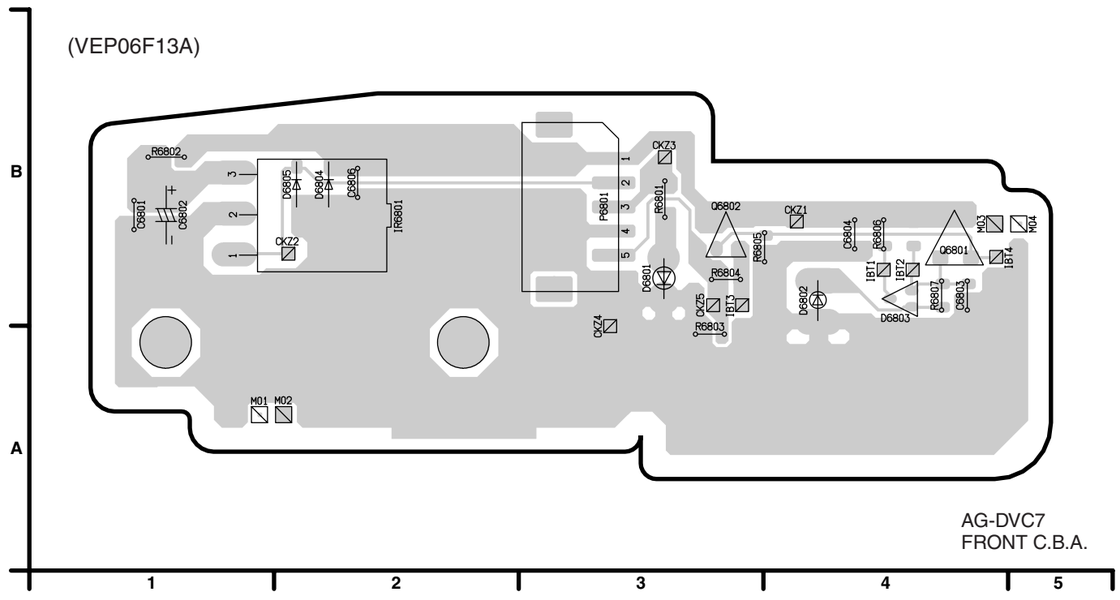
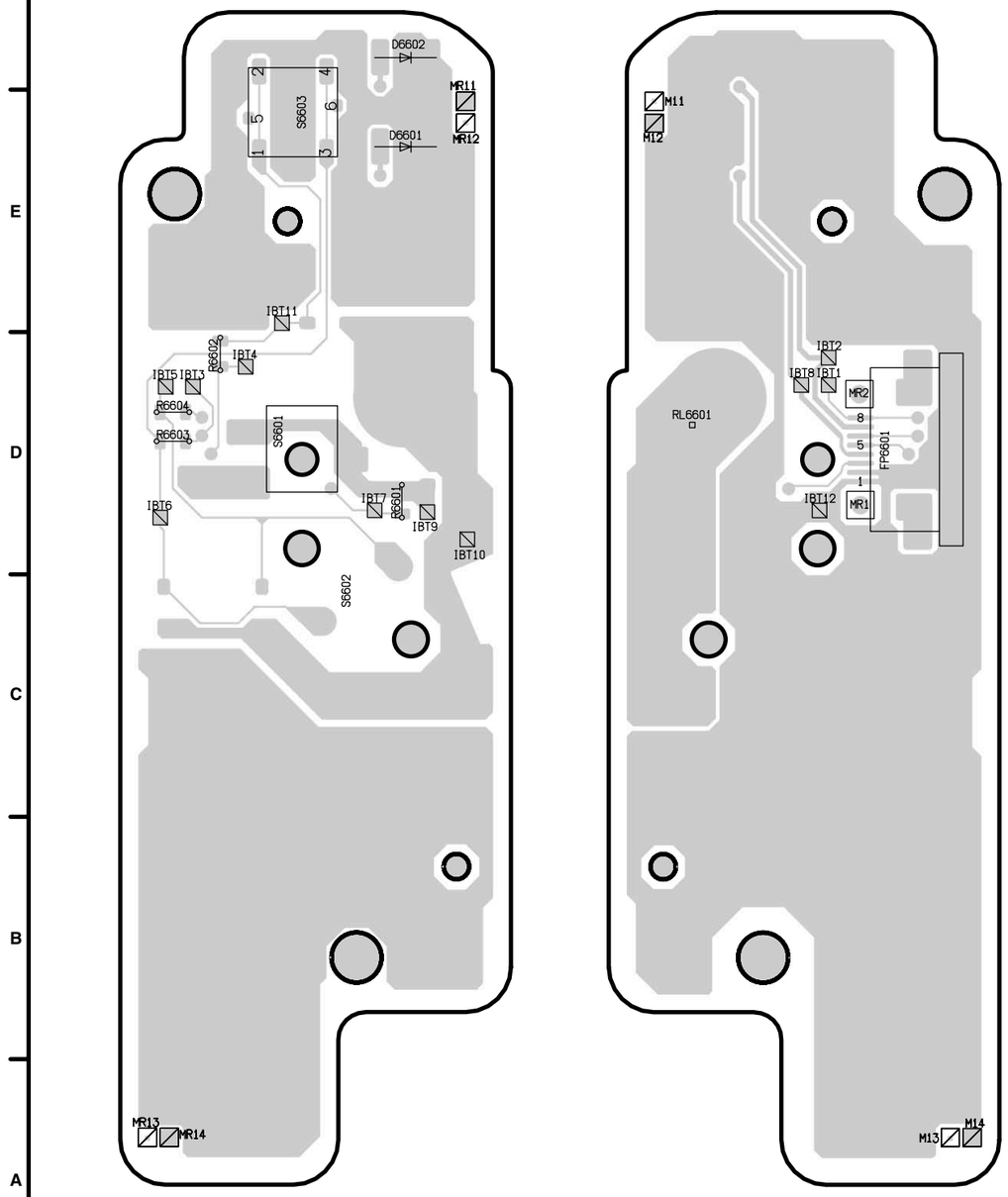


11.14. FRONT C.B.A.



11.15. S/S & POWER C.B.A.

(VEP06F14A)



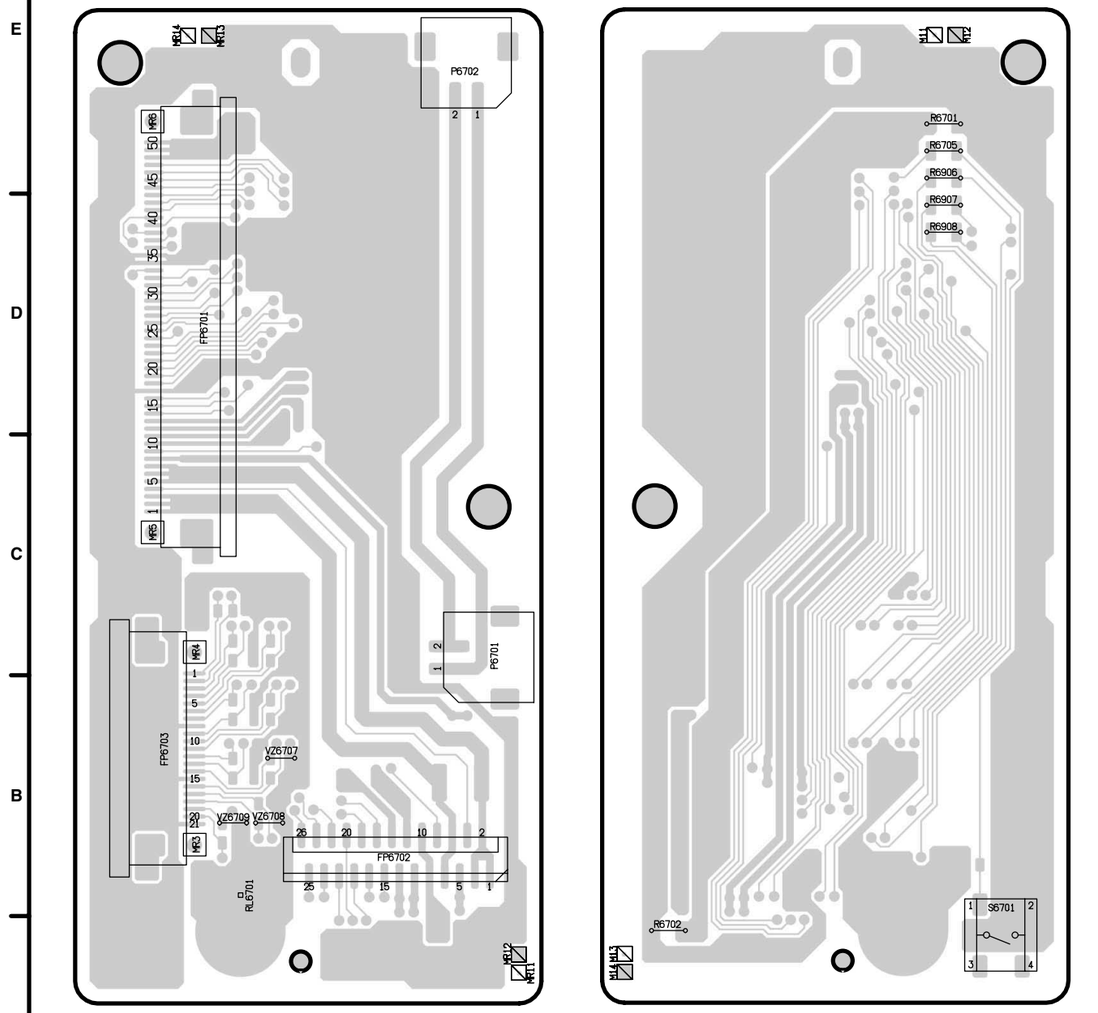
(COMPONENT SIDE) (FOIL SIDE)

AG-DVC7
S/S & POWER C.B.A.

11.16. SIDE (R) C.B.A.

(VEP06F11A)

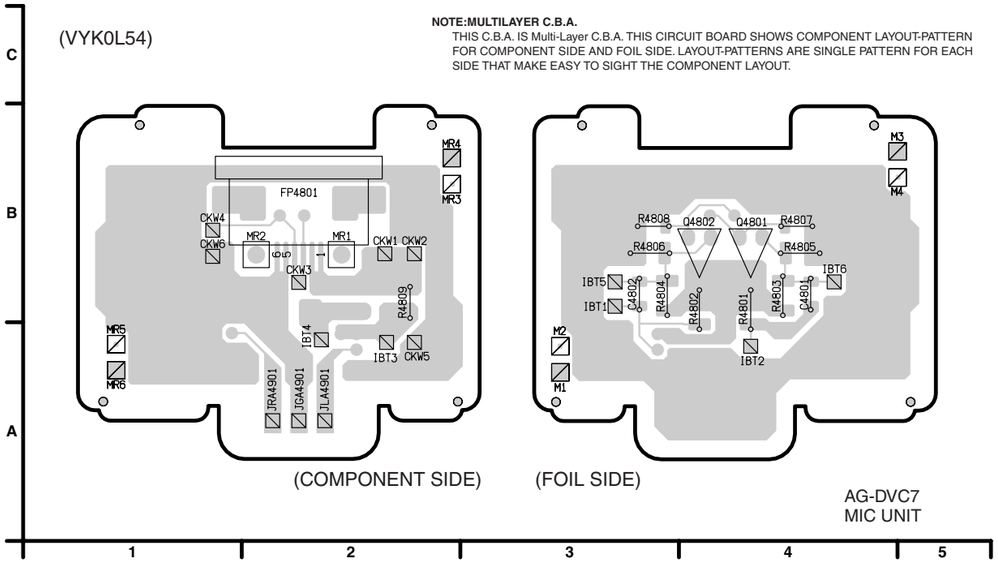
NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.



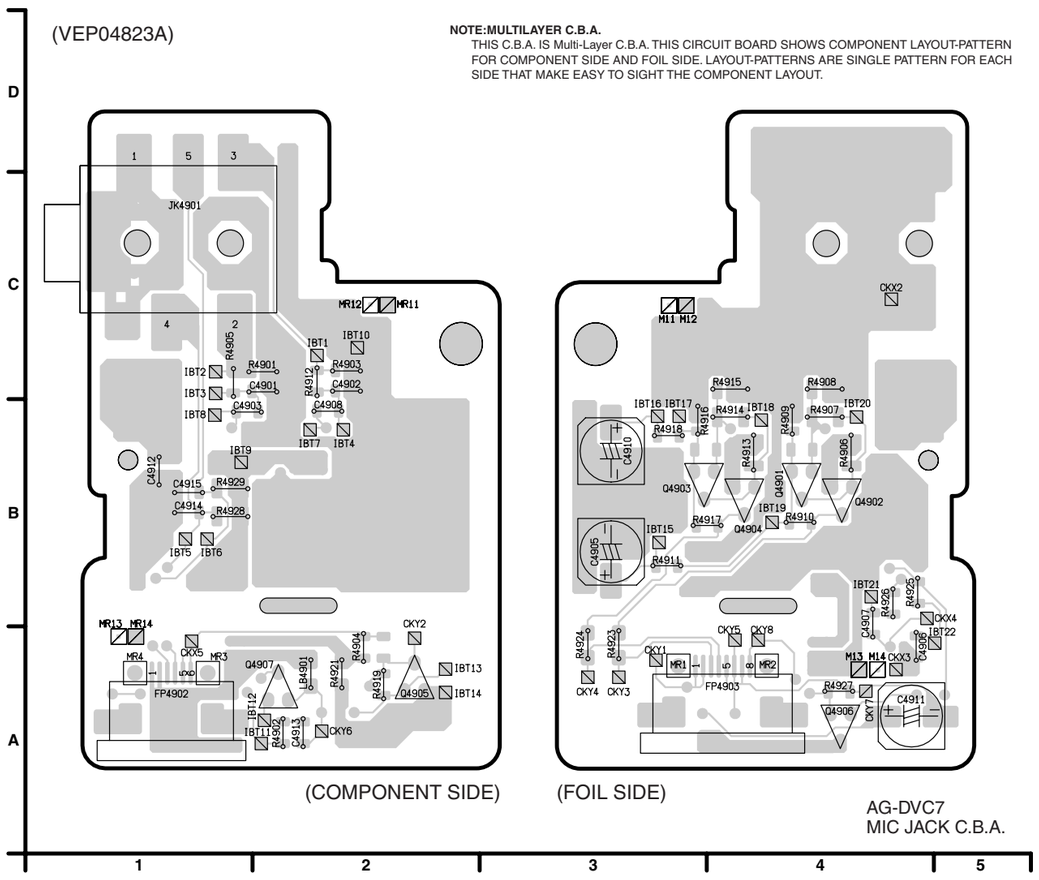
(COMPONENT SIDE) (FOIL SIDE)

AG-DVC7
SIDE (R) C.B.A.

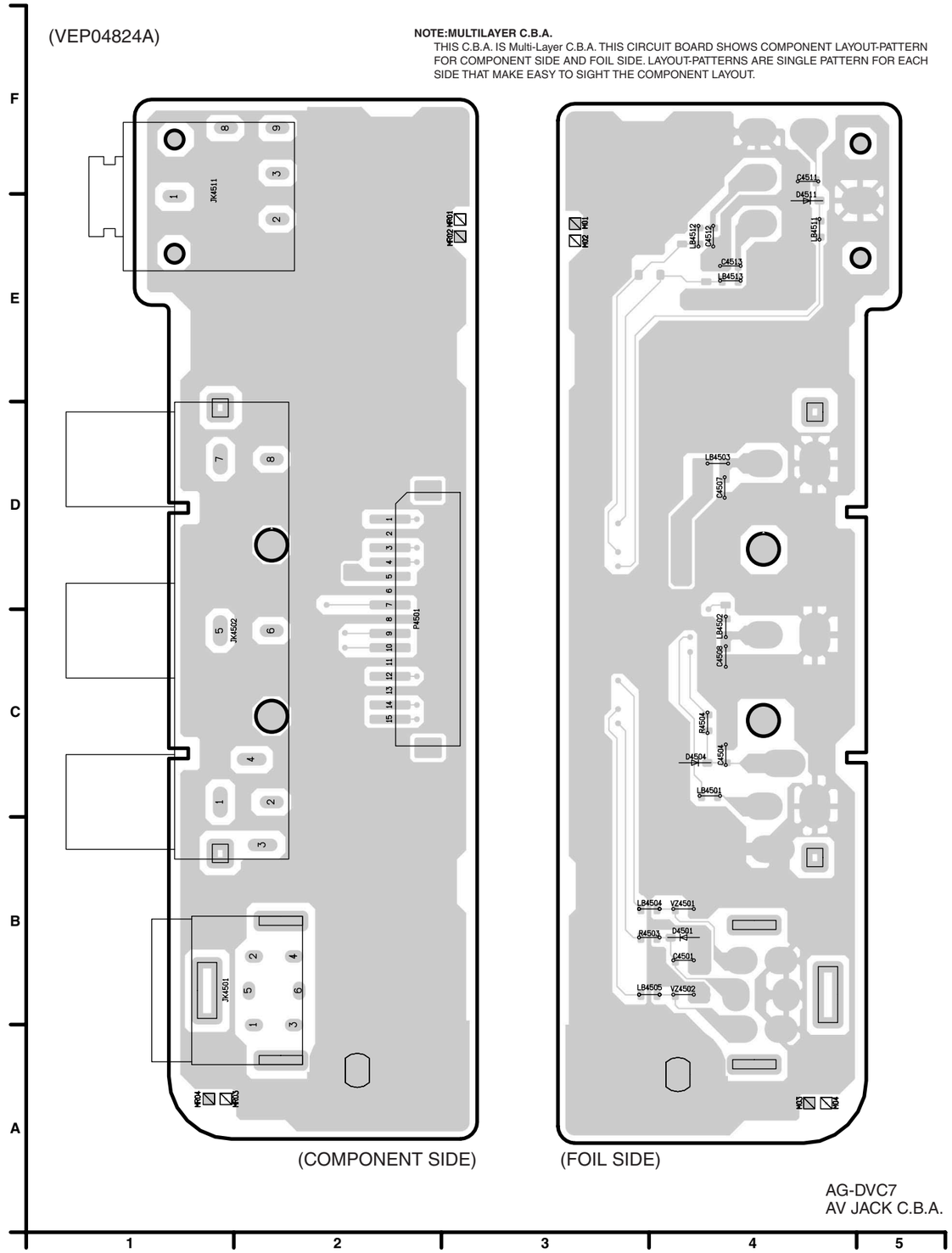
11.17. MIC UNIT



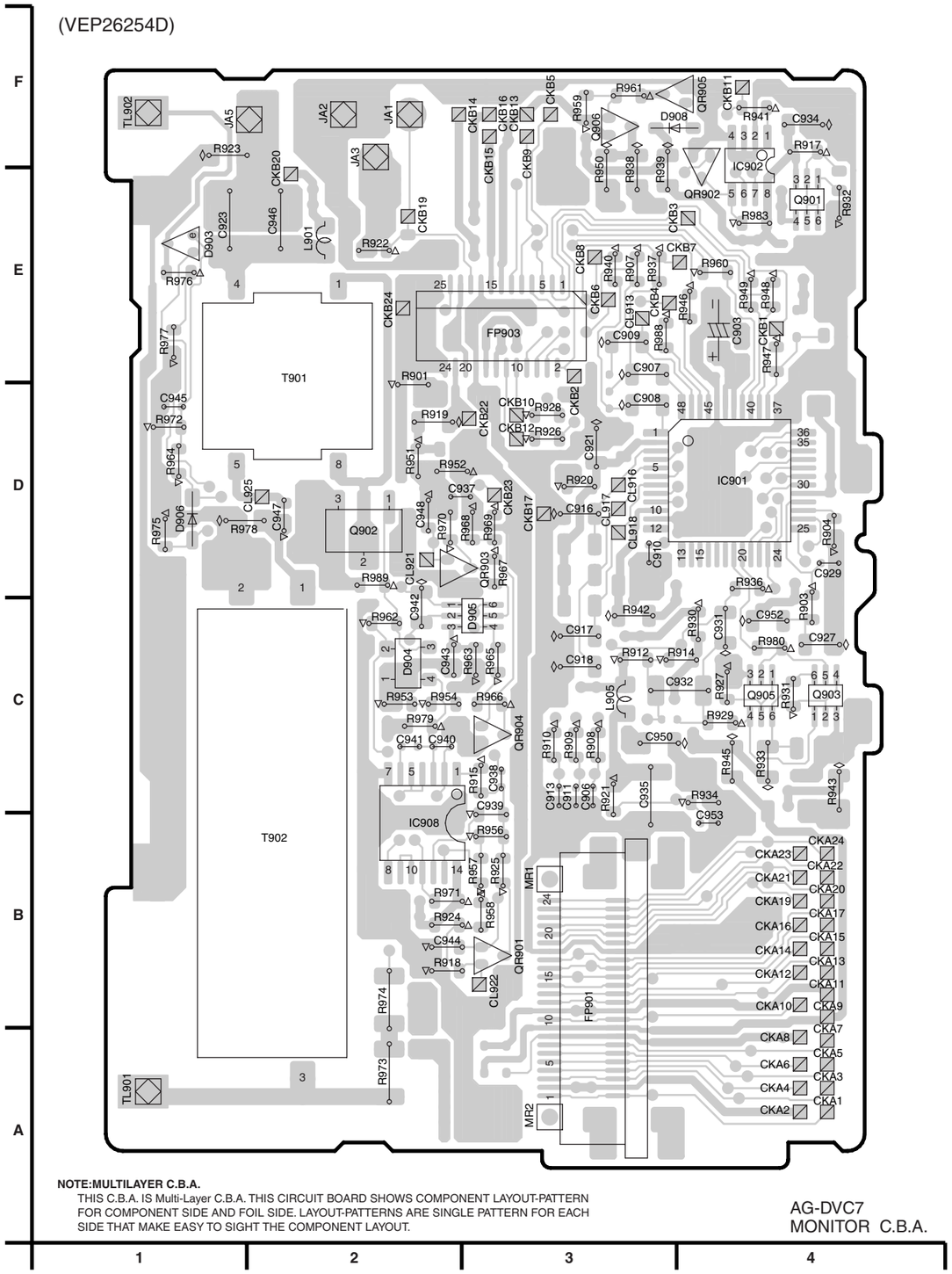
11.18. MIC JACK C.B.A.



11.19. AV JACK C.B.A.



11.20. MONITOR C.B.A.



NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

AG-DVC7
MONITOR C.B.A.

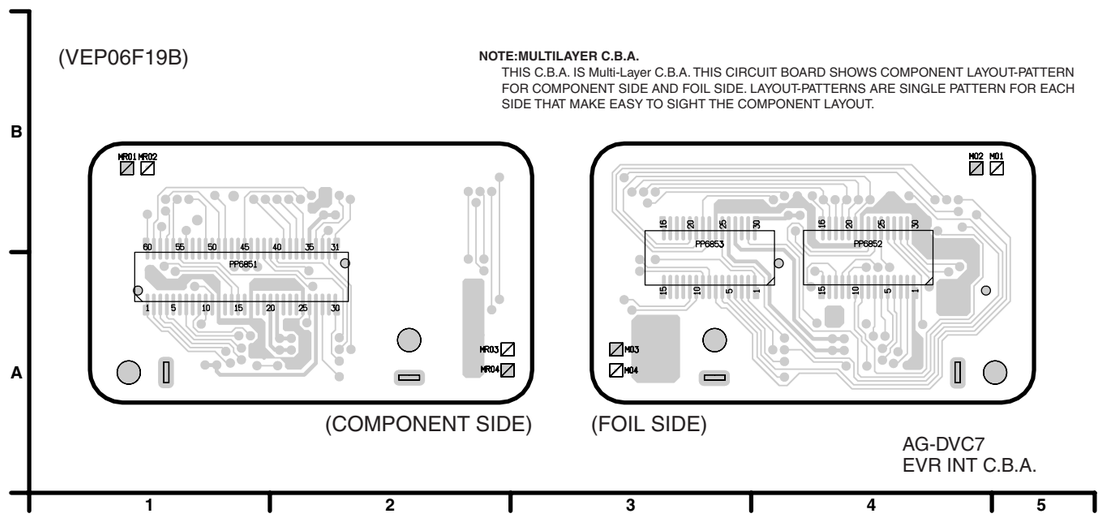
Monitor C.B.A.

Integrated Circuit		Transistor & Resistor		Test Point		Connector		Diode	
IC901	D-4	QR901	B-3	CL913	E-3	FP901	B-3	D903	E-1
IC902	F-4	QR902	F-4	CL916	D-3	FP903	E-3	D904	C-2
IC908	B-2	QR903	D-2	CL917	D-3	**Diode**		D905	C-1
Transistor		QR904	C-3	CL918	D-3	D903	E-1	D906	C-2
Q901	E-4	QR905	F-3	CL921	D-2	D904	C-2	D908	F-3
Q902	D-2	**Test Point**		CL922	B-3	**Transformer**		**Transistor**	
Q903	C-4	CL913	E-3	CL925	D-2	T901	E-2	T901	E-2
Q905	C-4	CL916	D-3	TL901	A-1	T902	B-2	T902	B-2
Q906	F-3	CL917	D-3	TL902	F-1	**Coil**		**Capacitor**	
Transistor & Resistor		CL918	D-3	**Connector**		L901	E-2	C903	E-4
QR901	B-3	CL921	D-2	FP901	B-3	L905	C-3	C906	C-3
QR902	F-4	CL922	B-3	FP903	E-3			C907	E-3
QR903	D-2	CL925	D-2					C908	D-3
QR904	C-3	TL901	A-1					C909	E-3
QR905	F-3	TL902	F-1					C910	D-3

C911	C-3	C940	C-2	R926	D-3	R961	F-3		
C913	C-3	C941	C-2	R927	C-4	R962	C-2		
C916	D-3	C942	C-2	R928	D-3	R963	C-3		
C917	C-3	C943	C-2	R929	C-4	R964	D-1		
C918	C-3	C944	B-2	R930	C-4	R965	C-3		
C921	D-3	C945	D-1	R931	C-4	R966	C-3		
C923	E-1	C946	E-2	R932	E-4	R967	D-3		
C927	C-4	C947	C-2	R933	C-4	R968	D-3		
C929	C-4	C948	B-2	R934	C-4	R969	D-3		
C931	C-4	C950	D-1	R936	D-4	R970	D-2		
C932	C-3	C952	C-4	R937	E-3	R971	B-2		
C934	F-4	C953	B-4	R938	E-3	R972	D-1		
C935	C-3	**Resistor**		R939	E-3	R973	A-2		
C937	D-3	R901	D-2	R940	E-3	R974	B-2		
C938	C-3	R903	C-4	R941	F-4	R975	D-1		
C939	B-3	R904	D-4	R942	C-3	R976	E-1		
		R907	E-3	R943	C-4	R977	E-1		
		R908	C-3	R945	C-4	R978	D-1		
		R909	C-3	R946	E-4	R979	C-2		
		R910	C-3	R947	E-4	R980	C-4		
		R912	C-3	R948	E-4	R983	E-4		
		R914	C-4	R949	E-4	R988	E-3		
		R915	C-3	R950	E-3	R989	D-2		
		R917	F-4	R951	D-2	**Jumper**			
		R918	B-2	R952	D-2	JA1	F-2		
		R919	D-2	R953	C-2	JA2	F-2		
		R920	D-3	R954	C-2	JA3	F-2		
		R921	C-3	R956	B-3	JA5	F-2		
		R922	E-2	R957	B-3				
		R923	F-1	R958	B-3				
		R924	B-2	R959	F-3				
		R925	B-3	R960	E-4				

ADDRESS INFORMATION

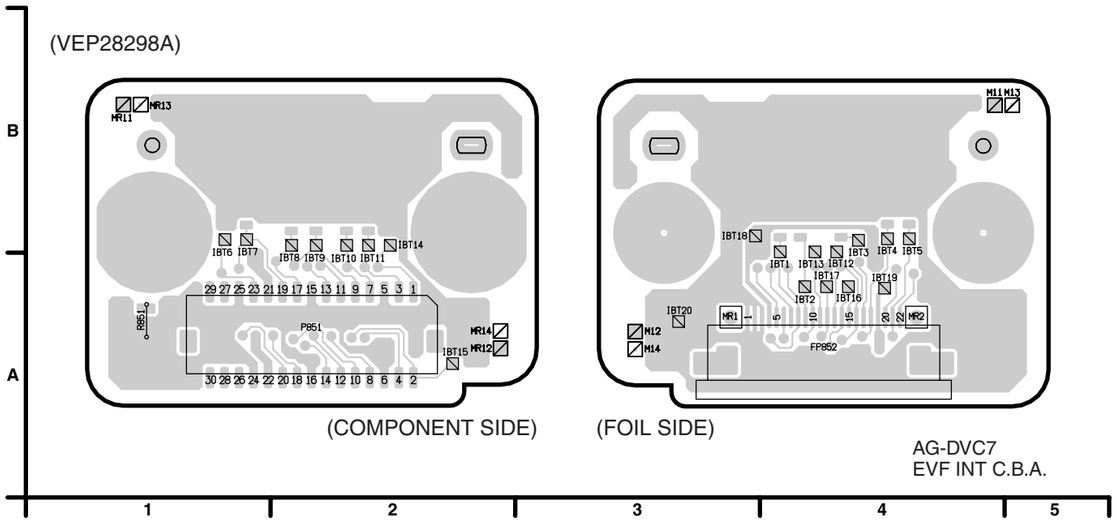
11.21. EVR INT C.B.A.



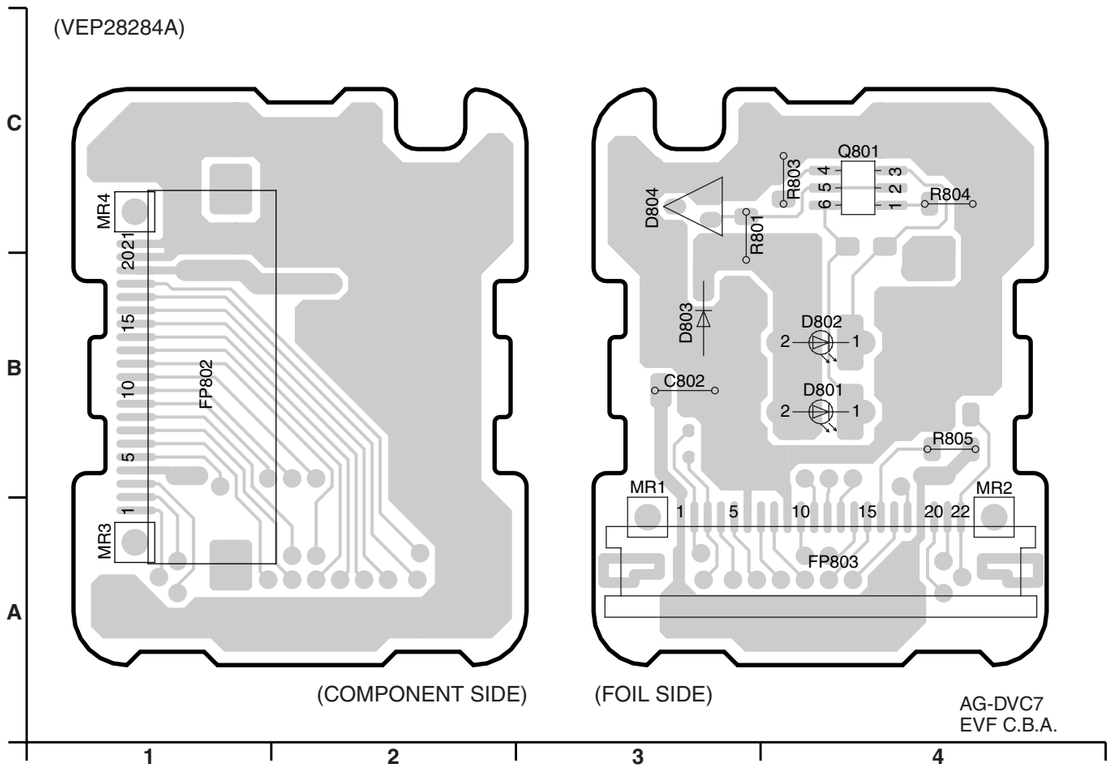
NOTE:MULTILAYER C.B.A.
THIS C.B.A. IS Multi-Layer C.B.A. THIS CIRCUIT BOARD SHOWS COMPONENT LAYOUT-PATTERN FOR COMPONENT SIDE AND FOIL SIDE. LAYOUT-PATTERNS ARE SINGLE PATTERN FOR EACH SIDE THAT MAKE EASY TO SIGHT THE COMPONENT LAYOUT.

AG-DVC7
EVR INT C.B.A.

11.22. EVF INT C.B.A.



11.23. EVF C.B.A.



12 EXPLODED VIEWS & REPLACEMENT PARTS LISTS

Note:

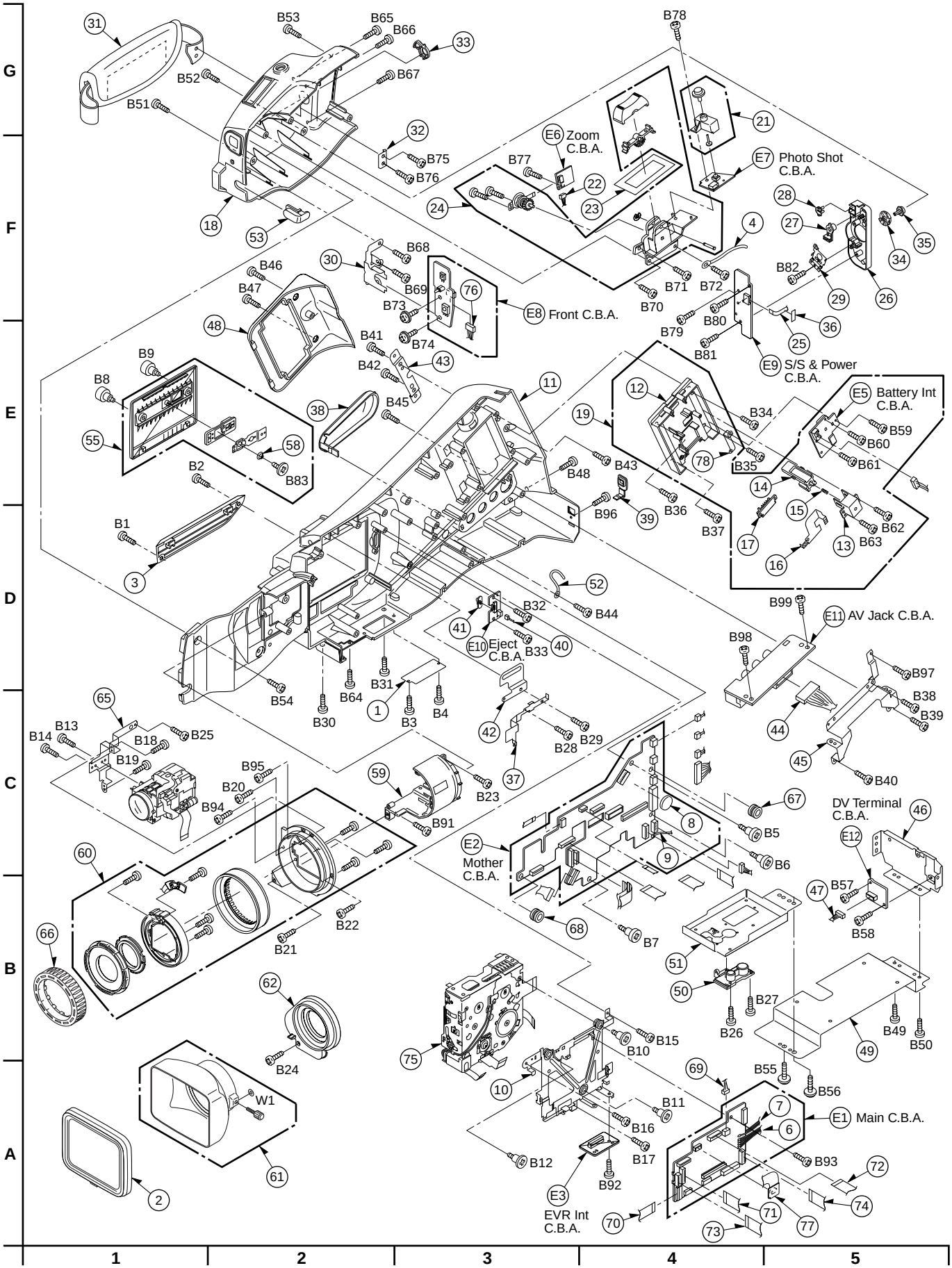
1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board untils marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the diacontinuation of this assembly in production, it will no longer be available.

12.1. FRAME & CASING ASSEMBLY (1)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VGQ5988	EVR COVER	1	
2	VKF3305	HOOD CAP	1	
3	VYK0V73	CASSETTE COVER (L) ASS'Y	1	
4	VJF1443	CLAMPER	1	
6	VEE0U52	POWER CABLE	1	
7	VEE0U53	BATTERY CABLE	1	
8	ML920S/F9D	LITHIUM BATTERY	1	
9	VEE0W08	GND CABLE	1	
10	VYQ2552	MECHA FRAME ASS'Y	1	
11	VYK0Q12	SIDE CASE L (1) ASS'Y	1	
12	VGQ7231	BATTERY HOLDER	1	
13	VGQ6037	BATTERY LOCK HOLDER	1	
14	VGU8749	BATTERY LOCK BUTTON	1	
15	VMB3314	DOOR LOCK SPRING	1	
16	VWJ1604	POWER BUS FLEX	1	
17	K4ZZ04000032	BATTERY CATCHER	1	
18	VYK0V72	GRIP COVER (1) ASS'Y	1	
19	VYK0Q13	BATTERY CASE ASS'Y	1	
21	VXU1598	PHOTO SHOT BUTTON	1	
22	VEE0U54	ZOOM/PHOTO CABLE	1	
23	VMT1197	ZOOM PROTECT SHEET	1	
24	VYQ2246	ZOOM ASS'Y	1	
25	VWJ08G4130AA	S/S FLEX	1	
26	VGQ6071	OPERATION P.C.B. PLATE	1	
27	VGU9247	VTR SELECT BUTTON	1	
28	VGL0764	VTR SELECT PANEL LIGHT	1	
29	VMC1271	S/S CLICK SPRING	1	
30	VMP6760	REMOCON C.B.A. FIX ANGLE	1	
31	VFC3902	GRIP BELT ASS'Y	1	
32	VMP6741	BELT HOLDER ANGLE	1	
33	VGQ4494	S/S LEVER	1	
34	VGQ4272	S/S BUTTON PIECE	1	
35	VGU7577	S/S BUTTON	1	
36	VGQ2759	SHEET	1	
37	VSC5420	EARTH PLATE (L)	1	
38	VJF1477	JACK COVER	1	
39	VJF1478	DV TERMINAL COVER	1	
40	VEE0U49	EJECT CABLE	1	
41	VGU7575	EJECT BUTTON	1	
42	VMP7612	BELT HOOK ANGLE (FRONT)	1	
43	VMP6749	BATTERY ANGLE	1	
44	VEE0U51	AV JACK CABLE	1	
45	VMP7350	AV JACK ANBLE	1	
46	VMP7387	DV TERMINAL ANGLE	1	
47	VEE0U93	DV CABLE	1	
48	VGQ5990	BATTERY CASE COVER	1	
49	VMP6737	WEIGHT ANGLE	1	
50	VMD2796	TRIPOD FRAME	1	
51	VMP6654	TRIPOD FRAME ANGLE	1	
52	VJF1443	CLAMPER	1	
53	VKW2418	REMOTE CONTROLLER WINDOW	1	
55	VYK0Q23	CASSETTE COVER ASS'Y	1	
58	VMB3148	CASSETTE COVER SPRING	1	
59	VYK0L39	LENS CASE (R) ASS'Y	1	
60	VXP2213	MF RING ASS'Y	1	
61	VFC3571	LENS HOOD ASS'Y	1	
62	VYQ2555	ND FILTER CASE ASS'Y	1	
65	VMP7349	LENS FRAME	1	
66	VMG1357	FOCUS RING	1	
67,68	VMG1466	DUMPER RUBBER	2	
69	VEE0U50	SPEAKER CABLE	1	
70	VWJ1468	FRONT FLEX	1	
71	VWJ1595	MONITOR FLEX	1	
72	VWJ1596	EVF FLEX	1	
73	VWJ18G4055AA	OPERATION FLEX (1)	1	
74	VWJ20G4050AA	OPERATION FLEX (2)	1	
75	VXY1629	MECHA ASS'Y	1	
76	VEE0U55	FRONT CABLE	1	
77	VEP22336A	CCD INT FLEX CARD C.B.A.	1	
78	VGQ7025	ALUMINIUM SHEET	1	
B1,B2	XQN2+BJ5FZ	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
B3,B4	XQN16+B4FZ	SCREW	2	
B5-B7	VHD1540	SCREW	3	
B8,B9	VHD1421	SCREW	2	
B10-12	VHD1422	SCREW	3	
B13,14	XQN16+BJ4FN	SCREW	2	
B15-22	XQN2+BJ5FZ	SCREW	8	
B23,24	XTN26+8GFZ	SCREW	2	
B25	XQN16+B4FZ	SCREW	1	
B26,27	XQN16+B5FZ	SCREW	2	
B28,29	XQN2+CJ6FZ	SCREW	2	
B30,31	XSB2+5FZ	SCREW	2	
B32,33	XTN26+4G	SCREW	2	
B34-40	XTV26+8G	SCREW	7	
B41-44	XTV3+8G	SCREW	4	
B45-47	XSN3+6FZ	SCREW	3	
B48-50	XTB3+8FFZ	SCREW	3	
B51-54	XTB3+10GFZ	SCREW	4	
B55,56	XYN3+F8	SCREW	2	
B57,58	XQN2+B4	SCREW	2	
B59-61	XQN2+BJ6	SCREW	3	
B62,63	XTN26+6J	SCREW	2	
B64	XQN16+B5FZ	SCREW	1	
B65-67	XQN2+BJ4FZ	SCREW	3	
B68,69	XTN26+6J	SCREW	2	
B70-72	XTB3+10GFZ	SCREW	3	
B73,74	XYN3+K6	SCREW	2	
B75,76	XTB26+6GFZ	SCREW	2	
B77	XQN2+BJ4	SCREW	1	
B78	XQN2+BJ8	SCREW	1	
B79-82	XQN2+BJ4	SCREW	4	
B83	VHD1105	SCREW	1	
B91	XTN26+8GFZ	SCREW	1	
B92,93	XQN16+B4FN	SCREW	2	
B94,95	XQN2+BJ5FZ	SCREW	2	
B96	XQN16+B4FZ	SCREW	1	
B97	XQN2+BJ4	SCREW	1	
B98,99	XTV3+6F	SCREW	2	
W1	XUC15FP	E-RING	1	
E1	VEP03F85G	MAIN C.B.A.	1	
E2	VEP06F10A	MOTHER C.B.A.	1	
E3	VEP06F19B	EVR INT C.B.A.	1	
E5	VEP06F12A	BATTERY INT C.B.A.	1	
E6	VEP06F17A	ZOOM C.B.A.	1	
E7	VEP06F16A	PHOTO SHOT C.B.A.	1	
E8	VEP06F13A	FRONT C.B.A.	1	
E9	VEP06F14A	S/S & POWER C.B.A.	1	
E10	VEP06F15A	EJECT C.B.A.	1	
E11	VEP04824B	AV JACK C.B.A.	1	
E12	VEP03G26A	DV TERMINAL C.B.A.	1	

12.1. FRAME & CASING ASSEMBLY (1)

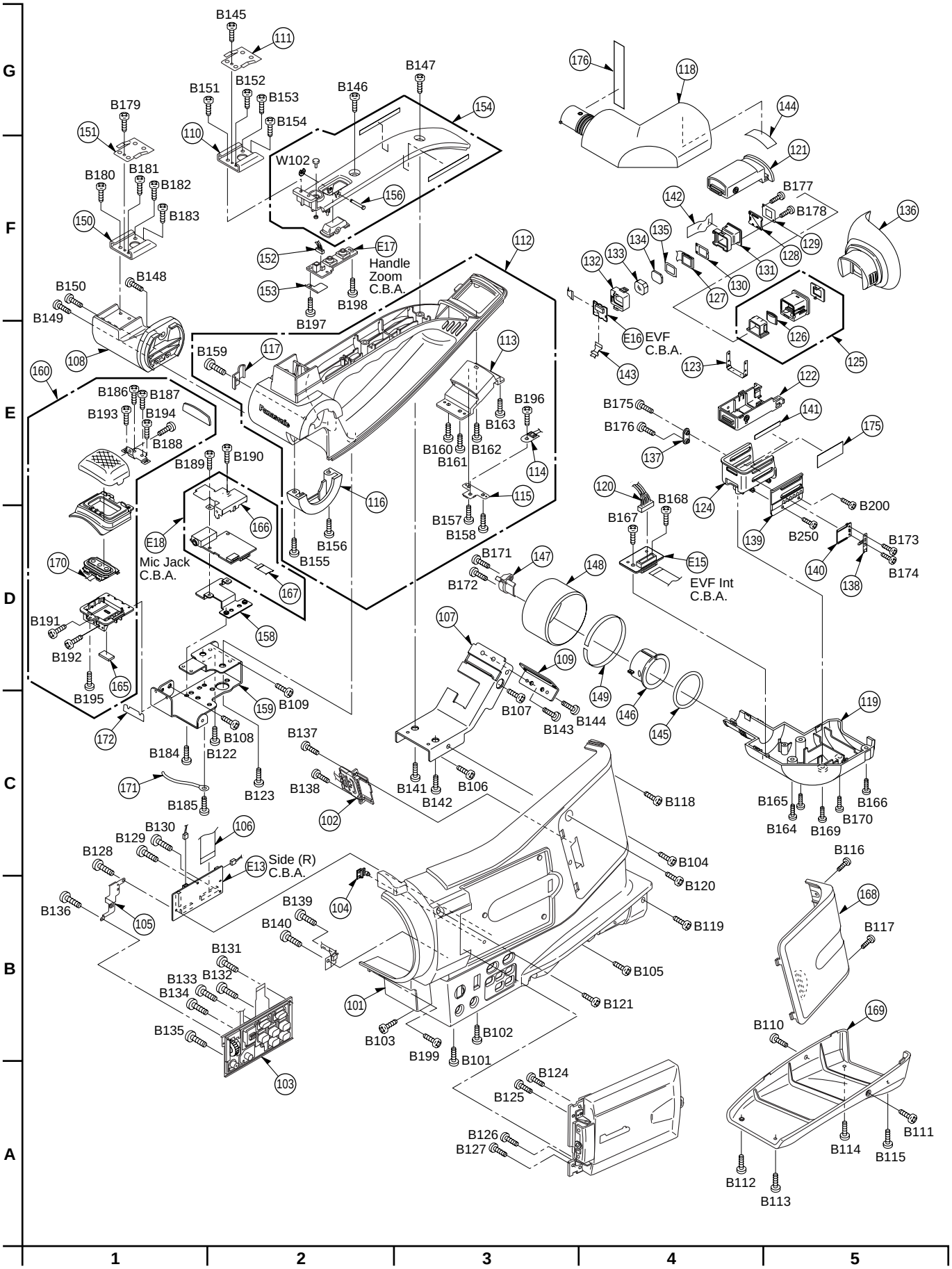


12.2. FRAME & CASING ASSEMBLY (2)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
101	VYK0Q15	SIDE CASE R (1) ASS'Y	1	
102	VYK0L28	SPEAKER HOLDER ASS'Y	1	
103	N9ZZ00000177	SIDE (R) CASE ASS'Y	1	
104	VGU8945	RESET BUTTON	1	
105	VSC5421	HINGE EARTH PLATE	1	
106	VWJ1602	SIDE (R) FLEX	1	
107	VMP6650	HANDLE HOLD ANGLE (REAR)	1	
108	VGQ6038	MIC HOLDER PLATE	1	
109	VMP7613	BELT ANGLE (REAR)	1	
110	VMP2407	SHOE	1	
111	VMC1288	SHOE SPRING	1	
112	VYK0Q20	HANDLE (1) ASS'Y	1	
113	VKF3644	HANDLE COVER	1	
114	VEK7927	INSULLATION SENSOR	1	
115	VMP7404	DEW SENSOR ANGLE	1	
116	VGQ5995	SLIDE COVER	1	
117	VJF0804	CABLE CLAMPER	1	
118	VKM6141	EVF CASE (UPPER)	1	
119	VKM6142	EVF CASE (LOWER)	1	
120	VEE0U56	EVF CABLE	1	
121	VKM5987	EVF HOLDING CASE (UPPER)	1	
122	VKM5988	EVF HOLDING CASE (LOWER)	1	
123	VMP5464	EVF CASE ANGLE	1	
124	VGK2684	EVF HOLD CASE	1	
125	VYQ2563	VIEW ADJ. CASE ASS'Y	1	
126	VDL1220	EVF LENS	1	
127	L5EDDXH00005	EVF LCD PANEL	1	
128	VGQ5492	EVF PROTECT COVER	1	
129	VGQ6265	PROTECT COVER SHEET	1	
130	VGQ6143	LCD MASK	1	
131	VJF1422	LCD HOLDING PIECE	1	
132	VJF1423	LCD PRESS SHEET	1	
133	LSFL0039	LCD LENS	1	
134	LSFL0040	LCD DIFFUSION SHEET	1	
135	VGQ6172	EVF TAPE	1	
136	VMG1464	EYE CAP	1	
137	VGQ4585	EVF ROTARY HOLDER	1	
138	VMC1365	EVF ROTARY SPRING	1	
139	VGQ6068	EVF SLIDE PIECE	1	
140	VGQ6096	EVF SLIDE PLATE	1	
141	VMZ3141	EVF SLIDE SPACER	1	
142	VGQ6328	EVF BARRIER	1	
143	VWJ1470	EVF FLEX	1	
144	VMZ3140	VF UPPER SPACER	1	
145	VMG1372	O-RING	1	
146	VGQ6999	EVF LOCK RING	1	
147	VGQ7001	EVF BUSH	1	
148	VGQ5994	EVF RING	1	
149	VMT1202	EVF RING TAPE	1	
150	VMP2407	SHOE	1	
151	VMC1288	SHOE SPRING	1	
152	VEE0U57	HANDLE ZOOM CABLE	1	
153	VMZ3182	ZOOM CBA INSULATION SHEET	1	
154	VYF2903	HANDLE COVER (1) ASS'Y	1	
156	VMS7039	ZOOM SHAFT	1	
158	VMP6666	MIC C.B.A. HOLDER ANGLE	1	
159	VMP6649	HANDLE HOLD ANGLE (FRONT)	1	
160	VYK0L54	MIC CASE ASS'Y	1	
165	VGQ6148	CAMERA RADIATION PLATE	1	
166	VSC4666	FRONT SHIELD CASE (A)	1	
167	VWJ08G4050AA	MIC JACK FLEX	1	
168	VGP5435	FACE PANEL	1	
169	VMG1355	SHOULDER PAD	1	
170	VWJ06G4065AA	MIC FLEX	1	
171	VJF1443	CLAMPER	1	
172	VGQ7110	MIC SPACER	1	
175	VGQ7115	EVF SLIDE SPACER (R)	1	
176	VGQ7170	EVF SHEET	1	
B101-03	XSB2+6FZ	SCREW	3	
B104,05	XTB3+10GFZ	SCREW	2	
B106-17	XTB3+8GFZ	SCREW	12	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
B118-21	XYN3+J10FZ	SCREW	4	
B122,23	XTV4+8G	SCREW	2	
B124-27	XQN2+BJ6	SCREW	4	
B128-38	XQN2+BJ5FZ	SCREW	11	
B139	XQN2+B2	SCREW	1	
B140	XQN2+BJ4FN	SCREW	1	
B141,42	XTV4+8G	SCREW	2	
B143,44	XYN26+K6	SCREW	2	
B145	XQN2+B3FZ	SCREW	1	
B146-50	XTB3+10GFZ	SCREW	5	
B151-54	XQS2+AJ7FZ	SCREW	4	
B155,56	XTN3+8B	SCREW	2	
B157,58	XQN2+BJ35	SCREW	2	
B159-63	XQN2+CJ6FZ	SCREW	5	
B164-66	XTN26+8GFZ	SCREW	3	
B167,68	XTV26+8G	SCREW	2	
B169,70	XTN3+8B	SCREW	2	
B171,72	XTN3+10G	SCREW	2	
B173-76	VHD1127	SCREW	4	
B177,78	VHD1303	SCREW	2	
B179	XQN2+B3FZ	SCREW	1	
B180-83	XQS2+AJ7FZ	SCREW	4	
B184,85	XSB26+4FX	SCREW	2	
B186-90	XQN2+B4	SCREW	5	
B191,92	XQN2+B5FN	SCREW	2	
B193-95	XQN16+CJ5	SCREW	3	
B196	XQN2+B3FZ	SCREW	1	
B197,98	XQN2+BJ8	SCREW	2	
B199	XTB3+10GFZ	SCREW	1	
B200,50	XQN2+BJ6	SCREW	2	
W102	XUC2FP	E-RING	1	
E13	VEP06F11A	SIDE (R) C.B.A.	1	
E15	VEP28298A	EVF INT C.B.A.	1	
E16	VEP28284A	EVF C.B.A.	1	
E17	VEP06F18A	HANDLE ZOOM C.B.A.	1	
E18	VEP04823A	MIC JACK C.B.A.	1	

12.2. FRAME & CASING ASSEMBLY (2)

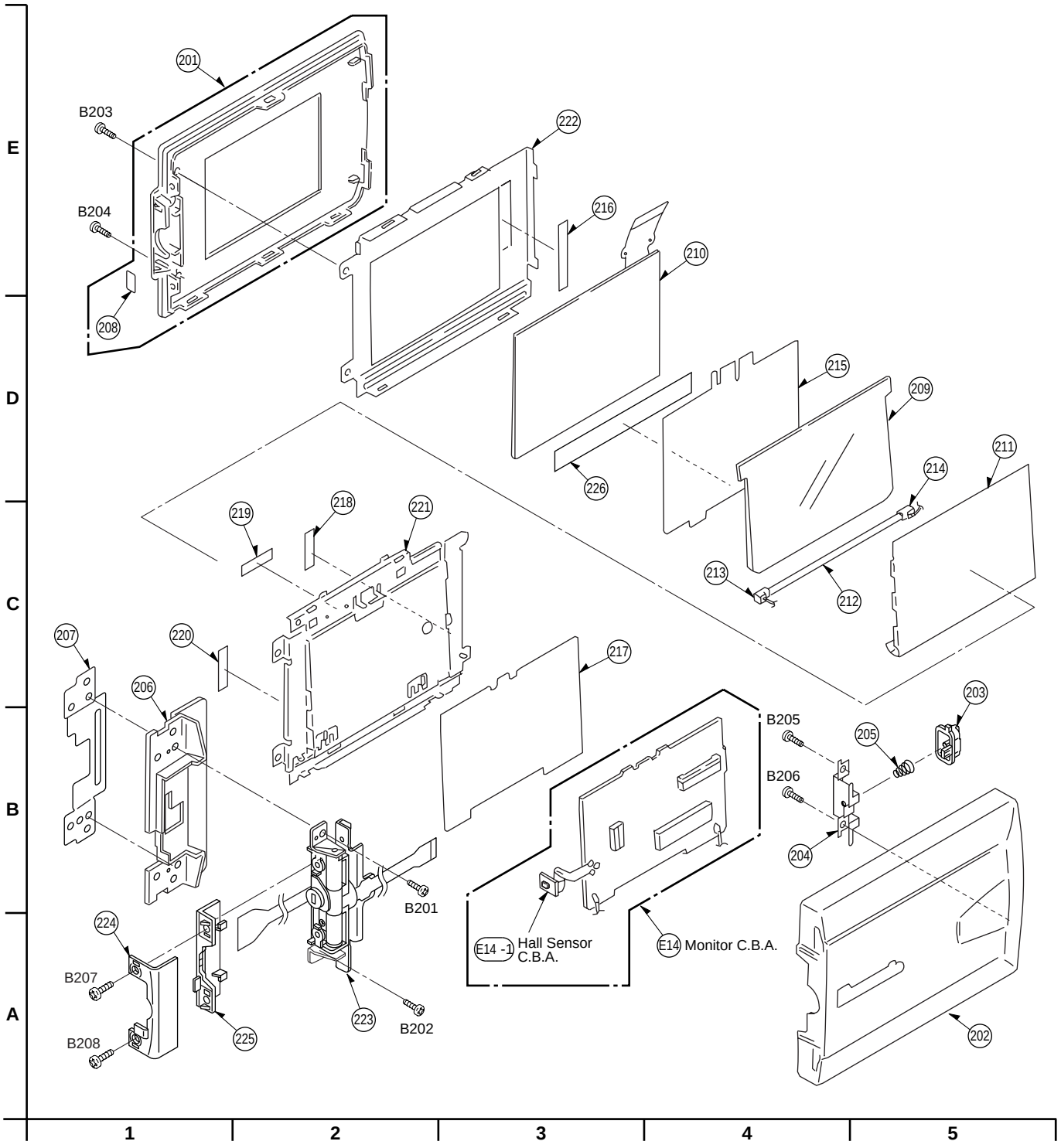


12.3. LCD ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
201	VYK0L32	LCD CASE (LOWER) ASS'Y	1	
202	VYK0Q18	LCD CASE (UPPER) ASS'Y	1	
203	VGU8841	LCD LOCK BUTTON	1	
204	VMP6774	LOCK BUTTON FIX ANGLE	1	
205	VMB3505	LCD LOCK SPRING	1	
206	VGQ6915	LCD HINGE HOLDER	1	
207	VMP7348	HINGE REINFORCEMENT ANGLE	1	
208	VGQ6171	SENSOR PROTECT SHEET	1	
209	VKW2909	LIGHT GUIDE PLATE	1	
210	EDTCA29QJ0	LCD PANEL ASS'Y	1	
211	VGL0929	REFLECTION SHEET	1	
212	KC56D1889DH	FLUORESCENCE TUBE	1	
213,14	VGQ6138	FLUORESCENCE TUBE RUBBER	2	
215	VGL0927	DIFFUSION SHEET	1	
216	VGQ5810	MF INSULATION SHEET	1	
217	VGQ6181	LCD INSULATION BARRIER	1	
218-20	VGQ6170	LCD PANEL FIXATION TAPE	3	
221	VSC5206	LCD FRAME	1	
222	VSC5211	LCD SHIELD CASE	1	
223	VXD0374	LCD HINGE ASS'Y	1	
224	VGQ6914	HINGE COVER (UPPER)	1	
225	VGQ6145	HINGE COVER (LOWER)	1	
226	VGQ6272	LCD BLIND BARRIER	1	
B201,02	VHD1411	SCREW	2	
B203,04	XQN16+BJ6FZ	SCREW	2	
B205,06	XQN16+BJ4	SCREW	2	
B207,08	VHD1209	SCREW	2	
E14	VEP26254D	MONITOR C.B.A.	1	
E14-1	VEP06E18A	HOLE SENSOR FPC C.B.A.	1	FOR VEP26254D

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

12.3. LCD ASSEMBLY

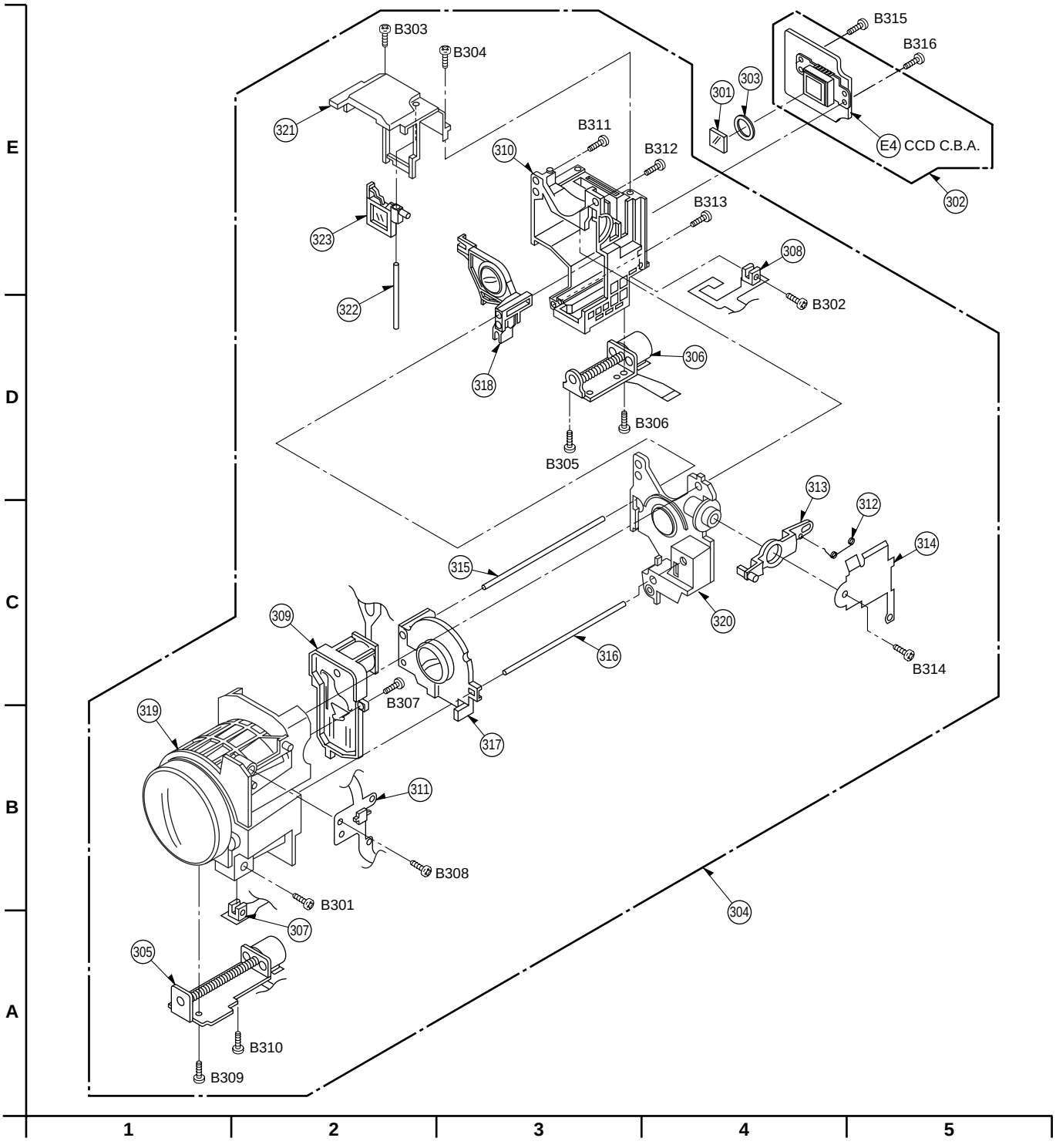


12.4. CAMERA LENS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
301	VDL1193	CRYSTAL FILTER	1	
302	VEK0A12	CCD ASS'Y	1	
303	VMX3070	CCD CUSHION	1	
304	VXW0570	LENS ASS'Y	1	
305	10S1F10F6NF	ZOOM MOTOR ASS'Y	1	
306	10S1F10F7NF	FOCUS MOTOR ASS'Y	1	
307,08	CNA1302KR0SL	PHOTO SENSOR	2	
309	L9ZZ00000184	IRIS ASS'Y	1	
310	VDW0740	MASTER FLANGE	1	
311	VEK9866	LENS FLEX ASS'Y	1	
312	VMB3504	F SPRING	1	
313	VML3592	LEVER	1	
314	VMP6769	PROTECT SHEET	1	
315,16	VMS6943	GUIDE POLE	2	
317	VXP2122	2ND MOVING FRAME ASS'Y	1	
318	VXP2124	4TH MOVING FRAME ASS'Y	1	
319	VXQ1010	MAIN FRAME ASS'Y	1	
320	VXQ1011	3RD MOVING FRAME ASS'Y	1	
321	VDW0742	F FIXATION FRAME	1	
322	VMS6838	F GUIDE POLE	1	
323	VXQ1012	F FRAME ASS'Y	1	
B301,02	VHD0852	SCREW	2	
B303-10	XQN16+CJ5	SCREW	8	
B311-13	XQN16+CJ8	SCREW	3	
B314	VHD1508	SCREW	1	
B315,16	XQN16+CJ6	SCREW	2	
E4	VEP22335A	CCD C.B.A.	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

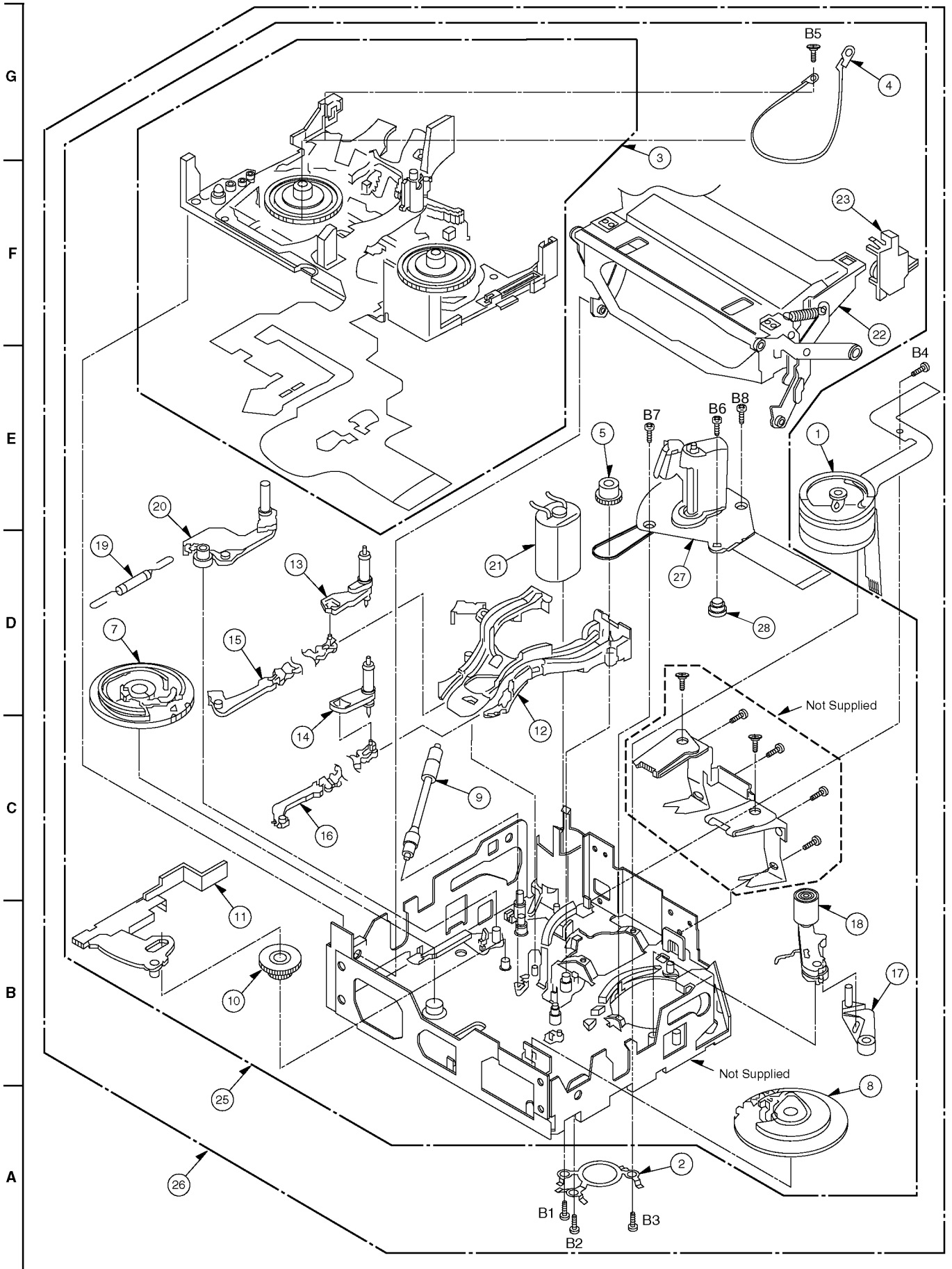
12.4. CAMERA LENS ASSEMBLY



12.5. VCR MECHANISM ASSEMBLY

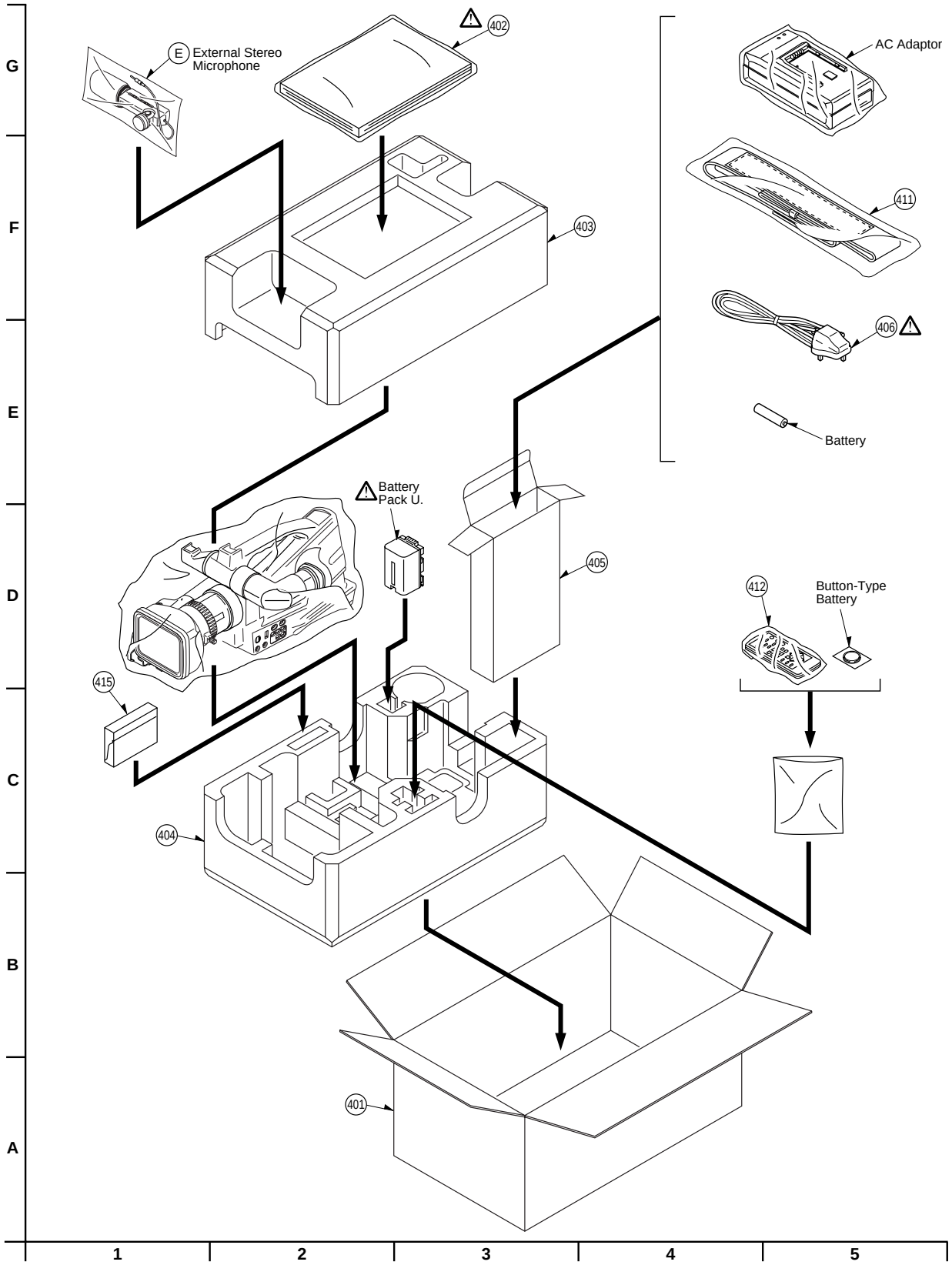
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VEG1576	CYLINDER U	1	
2	VMC1702	CYLINDER SPRING	1	
3	VXA6999	REEL PLATE ASS'Y	1	<M>
4	VMC1701	TR BAND	1	<M>
5	VDG1498	CENTER GEAR	1	<M>
7	VXA7001	MODE SW ASS'Y	1	
8	VXA7002	T LOAD GEAR ASS'Y	1	
9	VDG1496	CONNECTION WORM	1	
10	VDG1497	BRAKE GEAR	1	
11	VMA0J34	TR ROD	1	
12	VMD4184	RAIL	1	
13	VXA6995	S-BOAT ASS'Y	1	<M>
14	VXA6996	T-BOAT ASS'Y	1	<M>
15	VMD4181	S-POST LOADING BAND	1	
16	VMD4182	T-POST LOADING BAND	1	
17	VXL3096	T3 ARM ASS'Y	1	
18	VXL3203	PINCH ARM ASS'Y	1	<M>
19	VMB3510	TENSION SPRING	1	
20	VXL3092	TR ARM	1	
21	VEM0744	LOADING MOTOR ASS'Y	1	
22	VXA7003	CASSETTE COMPARTMENT	1	
23	VXP2111	DUMPER	1	
25	VXY1629Z1	MECHA CHASSIS (1) ASS'Y	1	
26	VXY1629	MECHA CHASSIS	1	
27	DFX25A7VWD	CAPSTAN MOTOR ASS'Y	1	
28	VMB3512	CAPSTAN ADJ. SPRING	1	
B1-B3	VHD1428	SCREW	3	
B4	XQN14+B1FN	SCREW	1	
B5	VMS6968	SCREW	1	
B6	VHD1427	CAPSTAN ADJ. SCREW	1	
B7,B8	VHD1426	SCREW	2	

12.5. VCR MECHANISM ASSEMBLY



Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

12.6. PACKING PARTS ASSEMBLY



Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.

12.6. PACKING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
401	VPG0S76	PACKING CASE	1	
⚠ 402	VQT0C34	OPERATING INSTRUCTIONS	1	
403	VPN5481	CUSHION (UPPER)	1	
404	VPN5482	CUSHION (LOWER)	1	
405	VPK0825	ACCESSORY BOX	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 406	K2CB2DB00001	AC CORD	1	
411	VFC3877	SHOULDER BELT	1	
412	N2QAEC000003	REMOTE CONTROLLER	1	
415	VFK1451	HEAD CLANER	1	

12.7. ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP03F85G	MAIN C.B.A.	1	(RTL)
■ E2	VEP06F10A	MOTHER C.B.A.	1	(RTL)
■ E3	VEP06F19B	EVR INT C.B.A.	1	(RTL)
■ E4	VEP22335A	CCD C.B.A.	1	(RTL)
■ E5	VEP06F12A	BATTERY INT C.B.A.	1	(RTL)
■ E6	VEP06F17A	ZOOM C.B.A.	1	(RTL)
■ E7	VEP06F16A	PHOTO SHOT C.B.A.	1	(RTL)
■ E8	VEP06F13A	FRONT C.B.A.	1	(RTL)
■ E9	VEP06F14A	S/S & POWER C.B.A.	1	(RTL)
■ E10	VEP06F15A	EJECT C.B.A.	1	(RTL)
■ E11	VEP04824B	AV JACK C.B.A.	1	(RTL)
■ E12	VEP03G26A	DV TERMINAL C.B.A.	1	(RTL)
■ E13	VEP06F11A	SIDE (R) C.B.A.	1	(RTL)
■ E14	VEP26254D	MONITOR C.B.A.	1	(RTL)
■	VEP06E18A	HOLE SENSOR FPC C.B.A.	1	(RTL)FOR VEP26254D
■ E15	VEP28298A	EVF INT C.B.A.	1	(RTL)
■ E16	VEP28284A	EVF C.B.A.	1	(RTL)
■ E17	VEP06F18A	HANDLE ZOOM C.B.A.	1	(RTL)
■ E18	VEP04823A	MIC JACK C.B.A.	1	(RTL)
■ E1	VEP03F85G	MAIN C.B.A.	1	(RTL)
C201	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C202	ECST1VX225Z	T.CAPACITOR CH 35V 2.2U	1	
C203,04	ECST1AX106R	T.CAPACITOR CH 10V 10U	2	
C205	ECJ0EB1E102K	C.CAPACITOR CH 25V 1000P	1	
C207	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C210	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C211	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C213	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C214	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C215	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C216	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C217,18	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	
C219	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C220	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C221,22	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C223	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C224,25	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	2	
C228	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C229	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C230,31	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C602	ECJ0EC1H180J	C.CAPACITOR CH 50V 18P	1	
C605	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C606,07	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C610	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C611	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C612	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C614	ECJ0EB1E102K	C.CAPACITOR CH 25V 1000P	1	
C616	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C617	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C618-20	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	3	
C622-24	ECJ0EB1E471K	C.CAPACITOR CH 25V 470P	3	
C625	ECUX1A474KBV	C.CAPACITOR CH 10V 0.1U	1	
C626	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C627	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C629	ECST0JY335Z	T.CAPACITOR CH6.3V 3.3U	1	
C630	ECJ0EB1C682K	C.CAPACITOR CH 16V 6800P	1	
C701	ECJ0EC1H101J	C.CAPACITOR CH 50V 100P	1	
C702	ECJ2VB1C224K	C.CAPACITOR CH 16V 0.22U	1	
C704	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C706-09	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	4	
C710	ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P	1	
C711	F3H1A476A004	T.CAPACITOR CH 10V 47U	1	
C712	ECJ0EB1E471K	C.CAPACITOR CH 25V 470P	1	
C713	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C714	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C716	ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P	1	
C717	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C718	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C719	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C720	ECJ1VB1A224K	T.CAPACITOR CH 10V 0.22U	1	
C721	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	
C722	ECJ0EC1H151J	C.CAPACITOR CH 50V 150P	1	
C723	ECJ0EB1E102K	C.CAPACITOR CH 25V 1000P	1	
C724	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C1002	ECJ4YB1C106V	C.CAPACITOR CH 16V 10U	1	
C1003	F1J1A335A005	C.CAPACITOR CH 10V 3.3U	1	
C1011	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C1012	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C1021	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C1022	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C1041	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C1042	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C1043	ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P	1	
C1052	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C1053	ECJ0EB1E222K	C.CAPACITOR CH 25V 2200P	1	
C1054	F1G1C223A004	C.CAPACITOR CH 16V 0.022U	1	
C1056	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C1061,62	F1J1A335A005	C.CAPACITOR CH 10V 3.3U	2	
C1082	ECJ3YB1E105K	T.CAPACITOR CH 25V 1M	1	
C1101	ECJ0EC1H101J	C.CAPACITOR CH 50V 100P	1	
C1102	F1H1A334A028	C.CAPACITOR CH 10V 0.33U	1	
C1103	F1G1C223A004	C.CAPACITOR CH 16V 0.022U	1	
C1104,05	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	
C1106	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C1108	ECJ2VB1E104K	C.CAPACITOR CH 25V 0.1U	1	
C1111	ECJ1VB1E223K	C.CAPACITOR CH 25V 0.022U	1	
C1113	ECJ0EC1H151J	C.CAPACITOR CH 50V 150P	1	
C1114	ECJ0EC1H390J	C.CAPACITOR CH 50V 39P	1	
C1121	ECJ1VB1H472K	C.CAPACITOR CH 50V 4700P	1	
C1123	ECJ0EC1H151J	C.CAPACITOR CH 50V 150P	1	
C1124	ECJ0EC1H390J	C.CAPACITOR CH 50V 39P	1	
C1142	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C1143	ECJ0EC1H151J	C.CAPACITOR CH 50V 150P	1	
C1144	ECJ0EC1H390J	C.CAPACITOR CH 50V 39P	1	
C1151	ECJ1VB1H822K	C.CAPACITOR CH 50V 8200P	1	
C1152	ECJ0EB1C822K	C.CAPACITOR CH 16V 8200P	1	
C1153	ECJ0EC1H151J	C.CAPACITOR CH 50V 150P	1	
C1154	ECJ0EC1H820J	C.CAPACITOR CH 50V 82P	1	
C1155	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C1211,12	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C1221-26	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	6	
C1228	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C1241	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C1251,52	F1J1C105A091	C.CAPACITOR CH 16V 1U	2	
C1281	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1282	ECJ3YB1E105K	T.CAPACITOR CH 25V 1M	1	
C1321	ECST0GY226	T.CAPACITOR CH 4V 22U	1	
C1322,23	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C1341	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C1451	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2001	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C2004	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C2005,06	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	
C2007	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2008	ECJ0EC1H330J	C.CAPACITOR CH 50V 33P	1	
C2009	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2010	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C2012	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C2015	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2017	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C2020	ECJ0EC1H060C	C.CAPACITOR CH 50V 6P	1	
C2021	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2022	ECJ0EC1H101J	C.CAPACITOR CH 50V 100P	1	
C2023	ECJ0EC1H060C	C.CAPACITOR CH 50V 6P	1	
C2028	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2029	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C2030	F1G1H100A448	C.CAPACITOR CH 50V 10P	1	
C2031	ECJ0EB1E102K	C.CAPACITOR CH 25V 1000P	1	
C2033	ECJ0EB1E102K	C.CAPACITOR CH 25V 1000P	1	
C2034	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2037	ECJ0EB1A473K	C.CAPACITOR CH 10V 0.047U	1	
C2040-42	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	3	
C2043	F1G1H100A448	C.CAPACITOR CH 50V 10P	1	
C2044,45	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	2	
C2048	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2050,51	ECJ0EB1E102K	C.CAPACITOR CH 25V 1000P	2	
C2053	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2201,02	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C2203	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C2204	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2205-07	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	3	
C2211,12	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C2213	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2216	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C2217-19	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	3	
C2220	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C2221	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2222,23	ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P	2	
C2225	ECJ1VB1A224K	T.CAPACITOR CH 10V 0.22U	1	
C2226	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C2231	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C2232	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3001	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3003,04	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C3005	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3006	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3007,08	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	2	
C3009,10	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	
C3011	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3012	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3013	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3014,15	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C3016	ECST0GY226	T.CAPACITOR CH 4V 22U	1	
C3017-23	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	7	
C3025-27	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	3	
C3028	ECJ1ZB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3029-33	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	5	
C3034	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3035,36	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	
C3037	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3038	ECST0GY226	T.CAPACITOR CH 4V 22U	1	
C3039	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3040	ECJ0EC1H050C	C.CAPACITOR CH 50V 5P	1	
C3041	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3042	ECJ0EC1H050C	C.CAPACITOR CH 50V 5P	1	
C3043	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3044	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3046-49	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	4	
C3050	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3051	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3052	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3053	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3054	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3055	ECST0JX476Z	T.CAPACITOR CH6.3V 47U	1	
C3103	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3104	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3105,06	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	2	
C3107	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3108	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3109	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3110	F3H0J1070005	T.CAPACITOR CH6.3V 100U	1	
C3112	F1J1A225A003	C.CAPACITOR CH 10V 2.2M	1	
C3114	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3115	ECJ2VB1E104K	C.CAPACITOR CH 25V 0.1U	1	
C3116	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3117	F1J1A225A003	C.CAPACITOR CH 10V 2.2M	1	
C3118	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3119	F3H0J1070005	T.CAPACITOR CH6.3V 100U	1	
C3121	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3123	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3125	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3126,27	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	2	
C3128,29	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C3131,32	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C3134	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3136,37	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	2	
C3138	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3139	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3140,41	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	2	
C3142	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3202	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3203-07	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	5	
C3209	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3211	ECJ2VB1E104K	C.CAPACITOR CH 25V 0.1U	1	
C3215	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3218	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3220	F1J0J475A006	C.CAPACITOR CH6.3V 1U	1	
C3221-23	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	3	
C3226	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3227	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C3229	ECJ0EC1H220J	C.CAPACITOR CH 50V 22P	1	
C3252	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3253	ECJ0EC1H221J	C.CAPACITOR CH 50V 220P	1	
C3254	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3255	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3256	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C3257	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3258	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C3259	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C5001	F3F0J226A007	T.CAPACITOR CH6.3V 22U	1	
C5002	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C5003	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C5005	ECJ0EB1E681K	C.CAPACITOR CH 25V 680P	1	
C5006	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C5008	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C5012	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C5013	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C5014	ECJ1VC1H470J	C.CAPACITOR CH 50V 47P	1	
C5021-24	ECUX1H080CCV	C.CAPACITOR CH 50V 8P	4	
C5025	F3F0J226A007	T.CAPACITOR CH6.3V 22U	1	
D201	MA2J11100L	DIODE	1	
D601	MA338	DIODE	1	MA2X338
D701	B0JCEE000002	DIODE	1	
D1051,52	MA2J11100L	DIODE	2	
D1082	MA2J11100L	DIODE	1	
D1101	MAZ81200LL	DIODE	1	
D1151	MAZ81600ML	DIODE	1	
D1152	MA2J11100L	DIODE	1	
D1421	MA2J11100L	DIODE	1	
D2001	MA2S72800L	DIODE	1	
D2004	MA2J11100L	DIODE	1	
D2005	MA3S13300L	DIODE	1	
D2009	MA2S72800L	DIODE	1	
D3101	MA2J11100L	DIODE	1	

Components identified with the mark ⚠ have the special characteristic for safety.
When replacing any of these components, use only the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D6901-04	MA3S781D0L	DIODE	4	
D6905,06	MA2S72800L	DIODE	2	
D6908	MA2S72800L	DIODE	1	
FL1001	J0MAB0000091	FILTER	1	
FP601	K1MN26A00043	CONNECTOR	1	
FP701	K1MN22A00042	CONNECTOR	1	
FP801	K1MN22A00042	CONNECTOR	1	
FP2201	K1MN18B00059	CONNECTOR	1	
FP2202	K1MN10B00032	CONNECTOR	1	
FP2203	K1MN26B00063	CONNECTOR	1	
FP4801	K1MN39B00001	CONNECTOR	1	
FP5001	K1MN08B00049	CONNECTOR	1	
FP6301	K1MN20A00023	CONNECTOR	1	
FP6302	K1MN18A00011	CONNECTOR	1	
IC201	MN52A4	IC	1	
IC202	C1AB00001334	IC	1	
IC203	C0DBCGF00001	IC	1	
IC204	C0DBZFA00008	IC	1	
IC305	MN31121SA	IC	1	
IC601	C0HBA0000094	IC	1	
IC701	C0GBC0000005	IC	1	
IC702	C0ABCA000053	IC	1	
IC703	C0ABAA000046	IC	1	
IC1001	C0DBAFA00012	IC	1	
IC1321	C0DBZFZ00003	IC	1	
IC2001	C2DBLJ000082	IC	1	
IC2002	C2BBFD000328	IC	1	
IC2003	C0CBABB00037	IC	1	
IC2004	C0EBE0000091	IC	1	
IC2005	C0ABAA000046	IC	1	
IC2006	C0BBBA000059	IC	1	
IC2007	C1ZBZ0001483	IC	1	
IC2008	C3EAGG000001	IC	1	
IC2009	C0FBBD000079	IC	1	
IC2201	C0GBG0000023	IC	1	
IC3001	C1AB00001130	IC	1	
IC3002	AN2903FJQ-V	IC	1	
IC3004	C0FBZJ000005	IC	1	
IC3201	C1AB00001132	IC	1	
IC3202	C1AB00001612	IC	1	
IC5001	AN3732FJMEFV	IC	1	
⚠ IP1001	K5H3121A0005	FUSE	1	
⚠ IP1003	K5H8011A0004	FUSE	1	
L601	VLQ0426J100	COIL 10UH	1	G1C100J00008
L1011	G1C470MA0024	COIL 47UH	1	
L1021	G1C150MA0024	COIL 15UH	1	
L1041	G1C330MA0024	COIL 33UH	1	
L1061	G1C330MA0024	COIL 33UH	1	
L1062	G1C101MA0024	COIL 100UH	1	
L1211	G1C4R7MA0031	COIL 4.7UH	1	
L1212	G1C100MA0031	COIL 100UH	1	
L1221	G1C4R7M00013	COIL 4.7UH	1	
L1222-26	VLQ0319K100	COIL 10UH	5	G1C100K00023
L1241	G1C4R7MA0031	COIL 4.7UH	1	
L1251,52	VLQ0319K100	COIL 10UH	2	G1C100K00023
L1281,82	VLQ0319K100	COIL 10UH	2	G1C100K00023
L1321,22	VLQ0319K100	COIL 10UH	2	G1C100K00023
L1341	G1C4R7MA0031	COIL 4.7UH	1	
L2003	G1C100K00019	COIL 10UH	1	
L3002	VLQ0807K100	COIL 10UH	1	G1C100K00024
L3009	G1C100K00019	COIL 10UH	1	
L3011,12	VLQ0807K100	COIL 10UH	2	G1C100K00024
L3017	G1C100K00025	COIL 10UH	1	
LB201,02	J0JBC0000013	FILTER	2	
LB203-05	J0JCC0000071	FILTER	3	
LB701	J0JCC0000071	FILTER	1	
LB703	J0JCC0000071	FILTER	1	
LB2001,02	J0JBC0000013	FILTER	2	
LB3001-04	J0JBC0000013	FILTER	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
LB3006	J0JBC0000013	FILTER	1	
LB3007	J0JCC0000071	FILTER	1	
LB3013-16	J0JCC0000071	FILTER	4	
LB3201	J0JBC0000013	FILTER	1	
LB3203	J0JBC0000013	FILTER	1	
LB3205-07	J0JBC0000013	FILTER	3	
LB5001-03	J0JCC0000071	FILTER	3	
P4201	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
PP201	K1KA14A00100	CONNECTOR (MALE)	1	
PP3001	K1KA60B00052	CONNECTOR (MALE)	1	
PS3901	K1KBA0A00081	CONNECTOR (FEMALE)	1	
Q201	B1ACGD000006	TRANSISTOR	1	
Q203,04	B1ACGD000006	TRANSISTOR	2	
Q602,03	B1ACGD000006	TRANSISTOR	2	
Q701	XN4501	TRANSISTOR-RESISTOR	1	
Q702	2SB1462JHL	TRANSISTOR	1	
Q705	B1ACGD000006	TRANSISTOR	1	
Q706	XN0460100L	TRANSISTOR-RESISTOR	1	
Q707	B1ADPC000004	TRANSISTOR	1	
Q708	XP0450100L	TRANSISTOR	1	
Q1011	B1ZBZ0000018	TRANSISTOR	1	
Q1021	B1ZBZ0000018	TRANSISTOR	1	
Q1041	B1ZBZ0000018	TRANSISTOR	1	
Q1051	B1BDBD000020	TRANSISTOR	1	
Q1061,62	B1ZBZ0000018	TRANSISTOR	2	
Q1321	B1BDBD000020	TRANSISTOR	1	
Q1341	2SB0970X0L	TRANSISTOR	1	
Q1342	XP1501	TRANSISTOR-RESISTOR	1	
Q1381	2SB1462JHL	TRANSISTOR	1	
Q1382	XP1501	TRANSISTOR-RESISTOR	1	
Q1383	2SB1462JHL	TRANSISTOR	1	
Q1384	XP1501	TRANSISTOR-RESISTOR	1	
Q1411	2SB1462JHL	TRANSISTOR	1	
Q1422	2SB1462JHL	TRANSISTOR	1	
Q1451	2SD2216J0L	TRANSISTOR	1	
Q1452	XP1401	TRANSISTOR-RESISTOR	1	
Q1453	2SB1462JHL	TRANSISTOR	1	
Q1481	2SD2216J0L	TRANSISTOR	1	
Q1482	XP1401	TRANSISTOR-RESISTOR	1	
Q2007	B1ACGD000006	TRANSISTOR	1	
Q2011	B1HFCFA00010	TRANSISTOR	1	
QR201	B1GBCFJJ0022	TRANSISTOR	1	
QR601	UNR9112J0L	TRANSISTOR	1	
QR602-04	UNR9213J0L	TRANSISTOR	3	
QR701	UNR9215J0L	TRANSISTOR	1	
QR702	XP0121400L	TRANSISTOR	1	
QR703	UNR9214J0L	TRANSISTOR	1	
QR704	B1GBCFEN0001	TRANSISTOR	1	
QR705	UNR9211J0L	TRANSISTOR	1	
QR706	UNR9214J0L	TRANSISTOR	1	
QR1001	UNR9111J0L	TRANSISTOR	1	
QR1101	UNR9214J0L	TRANSISTOR	1	
QR1161	UNR9115J0L	TRANSISTOR	1	
QR1351	UNR9213J0L	TRANSISTOR	1	
QR1352	UNR9113J0L	TRANSISTOR	1	
QR1411	UNR9212J0L	TRANSISTOR	1	
QR1412	XP0431400L	TRANSISTOR	1	
QR1451	UNR9213J0L	TRANSISTOR	1	
QR1481	UNR9212J0L	TRANSISTOR	1	
QR1482	UNR9113J0L	TRANSISTOR	1	
QR2001	B1GDBEJG0002	TRANSISTOR	1	
QR2002	UNR921FJ0L	TRANSISTOR	1	
QR2005	UNR921FJ0L	TRANSISTOR	1	
QR2006	B1GHCFJA0003	TRANSISTOR	1	
QR2008	B1GDCFJA0006	TRANSISTOR	1	
R203	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R205-07	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	3	
R208	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R209	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R210	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R211-14	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	4	
R216	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R217	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R218,19	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R221,22	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R226	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R227	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R229	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R232	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R602-05	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	4	
R606	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R608	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R609	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R610,11	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	2	
R612	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R613	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R614	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R615	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R616	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R617	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R618,19	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	2	
R626	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R629	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R631	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R632	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R634	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R635	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R636	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R638-40	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	3	
R641	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R642	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R643	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R644	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R645	ERJ2RHD393	M.RESISTOR CH 1/16W 39K	1	
R646	ERJ2RHD333	M.RESISTOR CH 1/16W 33K	1	
R651	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R652,53	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R657	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R661	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R701,02	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	2	
R703	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R704,05	ERJ3GEYJ4R7	M.RESISTOR CH 1/16W 4.7	2	
R706	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R707,08	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	2	
R709	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R710	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R711	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R712	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R713	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R714	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R715	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R716	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R717	ERJ2GEJ221	M.RESISTOR CH 1/16W 220	1	
R718	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R719	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R720	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R721	ERJ2GEJ184	M.RESISTOR CH 1/16W 180K	1	
R722	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R723	ERJ2GEJ155	M.RESISTOR CH 1/16W 1.5M	1	
R724-26	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	3	
R727	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R728	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R729	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R730	ERJ2GEJ824	M.RESISTOR CH 1/16W 820K	1	
R731	ERJ2GEJ274	M.RESISTOR CH 1/16W 270K	1	
R732	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R733-35	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	3	
R736	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R737	ERJ2GEJ152	M.RESISTOR CH 1/16W 1.5K	1	
R738,39	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	2	
R741	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R742	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R744	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R747	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R748	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R750	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R751	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R752	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	1	
R753	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R754	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R755	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	1	
R756	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R757	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R758	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R759	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R760	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	1	
R761	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R1001	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R1011	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R1012,13	ERJ2RKD820	M.RESISTOR CH 1/16W 82	2	
R1014	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R1015	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1021	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1022,23	ERJ2RKD820	M.RESISTOR CH 1/16W 82	2	
R1024	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R1025	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1041	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R1042,43	ERJ2RKD820	M.RESISTOR CH 1/16W 82	2	
R1044	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R1045	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R1051	ERJ6RBB273	M.RESISTOR CH 1/10W 27K	1	
R1052,53	ERJ2RKD820	M.RESISTOR CH 1/16W 82	2	
R1054	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R1055	ERJ6RBB272	M.RESISTOR CH 1/10W 2.7K	1	
R1056	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	1	
R1101	ERJ2RHD223	M.RESISTOR CH 1/16W 22K	1	
R1103	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R1104	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R1105	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R1107	ERJ2GEJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1112	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R1122	ERJ2GEJ682	M.RESISTOR CH 1/16W 6.8K	1	
R1141	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	1	
R1142	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R1151	ERJ2GEJ151	M.RESISTOR CH 1/16W 150	1	
R1152	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R1153	ERJ2RHD243	M.RESISTOR CH 1/16W 24K	1	
R1154	ERJ2RHD104	M.RESISTOR CH 1/16W 100K	1	
R1155	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R1161	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R1341	ERJ2RKD820	M.RESISTOR CH 1/16W 82	1	
R1343	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R1344	ERJ2GEJ221	M.RESISTOR CH 1/16W 220	1	
R1345	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R1349	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1381	ERJ2RHD223	M.RESISTOR CH 1/16W 22K	1	
R1382	ERJ2RHD221	M.RESISTOR CH 1/16W 220	1	
R1383	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R1384	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R1386	ERJ2RHD822	M.RESISTOR CH 1/16W 8.2K	1	
R1387	ERJ2RHD271	M.RESISTOR CH 1/16W 270	1	
R1388	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R1389	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R1401	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1402	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R1403	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R1404	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1411	ERJ2GEJ203	M.RESISTOR CH 1/16W 20K	1	
R1412	ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	1	
R1421	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R1422	ERJ2GEJ242	M.RESISTOR CH 1/16W 2.4K	1	
R1451	ERJ2RHD113	M.RESISTOR CH 1/16W 11K	1	
R1452	ERJ2RHD561	M.RESISTOR CH 1/16W 560	1	
R1453	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R1454	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R1456	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R1457	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R1481	ERJ2RHD223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1482	ERJ2RHD242	M.RESISTOR CH 1/16W 2.4K	1	
R1483	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R1484	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R2000	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R2001	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R2002	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R2003	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2004-07	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	4	
R2008	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2009,10	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2011	ERJ2GEJ181	M.RESISTOR CH 1/16W 180	1	
R2012	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2013	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2014	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R2015	ERJ2GEJ391	M.RESISTOR CH 1/16W 390	1	
R2016	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2017	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2018,19	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2020	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	1	
R2021	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2022	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2023	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R2024,25	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2026	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2027	ERJ2GEJ474	M.RESISTOR CH 1/16W 470K	1	
R2028	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2029	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R2030	ERJ2GEJ274	M.RESISTOR CH 1/16W 270K	1	
R2031	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2032	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	1	
R2033	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2034	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R2035	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2036	ERJ2RHD563	M.RESISTOR CH 1/16W 56K	1	
R2037	ERJ2RHD223	M.RESISTOR CH 1/16W 22K	1	
R2038	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	1	
R2039	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R2040	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R2041	ERJ2GEJ681	M.RESISTOR CH 1/16W 680	1	
R2042	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2043	ERJ2GEJ152	M.RESISTOR CH 1/16W 1.5K	1	
R2044,45	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	2	
R2048,49	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	2	
R2050	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R2051	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2053,54	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	2	
R2055	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2056	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2057	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2058	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R2059	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2060	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R2061	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	1	
R2062	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R2063	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2064	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R2065	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2066,67	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2069	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2070	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R2072	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2073,74	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	2	
R2075	ERJ2GEJ152	M.RESISTOR CH 1/16W 1.5K	1	
R2076,77	ERJ2GEJ563	M.RESISTOR CH 1/16W 56K	2	
R2078	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2079	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2081	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R2082,83	ERJ2GEJ154	M.RESISTOR CH 1/16W 150K	2	
R2084-87	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	4	
R2088-90	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	3	
R2091	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2092	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R2093	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2094	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R2096	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2097	ERJ2GEJ392	M.RESISTOR CH 1/16W 3.9K	1	
R2098,99	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R2100-04	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	5	
R2105	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2106,07	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2108	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2109,10	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	2	
R2111	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2112	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2113	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2114	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2115	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R2116	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R2117	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2118,19	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	2	
R2120-22	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	3	
R2123	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2124,25	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R2126,27	ERJ2GEJ331	M.RESISTOR CH 1/16W 330	2	
R2128	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R2129	ERJ2RHD473	M.RESISTOR CH 1/16W 47K	1	
R2132	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1	
R2133	ERJ2RHD273	M.RESISTOR CH 1/16W 27K	1	
R2134,35	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2136	ERJ2RHD473	M.RESISTOR CH 1/16W 47K	1	
R2137	ERJ2RHD273	M.RESISTOR CH 1/16W 27K	1	
R2138	ERJ2RHD103	M.RESISTOR CH 1/16W 10K	1	
R2139	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R2141	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2142	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2143-45	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	3	
R2146	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2147,48	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2153	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2154	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2155	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R2157-60	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	4	
R2161	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R2162	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R2163	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2164	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2165,66	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R2167	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2168	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2169	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2170	ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	1	
R2171	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2172	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2173	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2174	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2175-78	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	4	
R2179	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2180,81	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	2	
R2182	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2183	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2184	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2185	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R2186	ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	1	
R2187-89	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	3	
R2190	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2191	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2192	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2193	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R2194	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2195	ERJ2GEJ332	M.RESISTOR CH 1/16W 3.3K	1	
R2196	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	1	
R2197	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2198	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2199	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R2201	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R2202	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R2203	ERJ2GEJ823	M.RESISTOR CH 1/16W 82K	1	
R2204	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	
R2205-08	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	4	
R2209	ERJ2GEJ224	M.RESISTOR CH 1/16W 220K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2210	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R2211	ERJ8RQJR27	M.RESISTOR CH 1/8W 0.27	1	
R2212	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	1	
R2213	ERJ8RQJR27	M.RESISTOR CH 1/8W 0.27	1	
R2214	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R2216	ERJ2GEJ393	M.RESISTOR CH 1/16W 39K	1	
R2219	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R2222	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R2224,25	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	2	
R3001	ERJ2GEJ100	M.RESISTOR CH 1/16W 10	1	
R3002	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3004	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3005	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R3006	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R3007	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3008	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3010-12	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	3	
R3015	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R3016	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R3017	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3021	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R3022-24	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	3	
R3030-32	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	3	
R3033	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R3034	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R3035	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R3036	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3037	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R3041	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3101	ERJ2GEJ682	M.RESISTOR CH 1/16W 6.8K	1	
R3102	ERJ2GEJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3103	ERJ2GEJ391	M.RESISTOR CH 1/16W 390	1	
R3104	ERJ2GEJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3105,06	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	2	
R3107	ERJ2GEJ100	M.RESISTOR CH 1/16W 10	1	
R3108	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3109	ERJ2GEJ100	M.RESISTOR CH 1/16W 10	1	
R3110	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3111	ERJ2GEJ391	M.RESISTOR CH 1/16W 390	1	
R3112	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3113	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R3115	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3116	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3118,19	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R3120	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3122	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3124	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3125	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3126,27	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	2	
R3128	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R3129	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R3130	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3131	ERJ2GEJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3132	ERJ2GEJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3133	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3201	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3203	ERJ2GEJ470	M.RESISTOR CH 1/16W 47	1	
R3204	ERJ2GEJ181	M.RESISTOR CH 1/16W 180	1	
R3205	ERJ2RHD272	M.RESISTOR CH 1/16W 2.7K	1	
R3209	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3210	ERJ2GEJ153	M.RESISTOR CH 1/16W 15K	1	
R3211,12	ERJ2GEJ681	M.RESISTOR CH 1/16W 680	2	
R3213	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R3215	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R3216	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R3217	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R3218	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	
R3229	ERJ2GEJ100	M.RESISTOR CH 1/16W 10	1	
R3251-54	ERJ2RKD560	M.RESISTOR CH 1/16W 56	4	
R3255,56	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	2	
R3257	ERJ2RHD622	M.RESISTOR CH 1/16W 6.2K	1	
R3258	ERJ2RHD101	M.RESISTOR CH 1/16W 100	1	
R3259	ERJ2GEJ473	M.RESISTOR CH 1/16W 47K	1	
R5001	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5004	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5006	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5007,08	ERJ2GE0R00	M.RESISTOR CH 1/16W 0	2	
R5009-12	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	4	
R5015	ERJ2GEJ102	M.RESISTOR CH 1/16W 1K	1	
R6901,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R6906,07	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R6908	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6911-13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
T1051	G5DYA0000023	TRANSFORMER	1	
W2006	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
X201	H1A3605B0001	CRYSTAL OSCILLATOR	1	
X2002	H0J327200051	CRYSTAL OSCILLATOR	1	
X2003	H0J270500024	CRYSTAL OSCILLATOR	1	
X3001	H0J245500021	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VEE0U52	POWER CABLE ASS'Y	1	
	VEE0U53	BATTERY CABLE ASS'Y	1	
	VJR0811	TERMINAL	3	
	VGQ5174	SHEET	1	
■ E2	VEP06F10A	MOTHER C.B.A.	1	(RTL)
B6501	ML920S/F9D	LITHIUM BATTERY	1	
C501	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C502	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3502	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C3504,05	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	2	
C3506	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C3507	ECJ1ZB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3509,10	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C3512,13	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C3514,15	ECJ1VB1H102K	C.CAPACITOR CH 50V 1000P	2	
C3516	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C3517,18	ECJ1ZB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3519	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C3521-23	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	3	
C3551	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3552,53	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3554	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3555	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C3556	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C3557	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C3558-60	ECJ1ZB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C3561	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3562	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3563	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3569	ECJ1ZB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3581,82	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C4221,22	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	2	
C6503,04	ECJ1VC1H470J	C.CAPACITOR CH 50V 47P	2	
C6505	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C6507	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C6512,13	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
D6501	MA2SD2400L	DIODE	1	
FP6503	K1MN26A00038	CONNECTOR	1	
FP6504	K1MN39B00001	CONNECTOR	1	
FP6505	K1MN22A00007	CONNECTOR	1	
FP6506	K1MN22A00042	CONNECTOR	1	
FP6507	K1MN22A00007	CONNECTOR	1	
FP6509	K1MN08A00032	CONNECTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FP6511	K1MN20A00023	CONNECTOR	1	
FP6516	K1MN50B00013	CONNECTOR	1	
FP6518	K1MN05B00028	CONNECTOR	1	
FP6520	K1MN08A00032	CONNECTOR	1	
FP6521	K1MN18A00011	CONNECTOR	1	
IC501	C0JBAS000075	IC	1	
IC502,03	C0JBAZ000516	IC	2	
IC504	TC7SH04F	IC	1	
IC507	C0CBCAC00046	IC	1	
IC3501	C1AB00001280	IC	1	
IC3502	C0ABAA000046	IC	1	
IC3503	C1AB00000647	IC	1	
IC6501	C0CBCBC00029	IC	1	
IC6502	C0CBABC00124	IC	1	
L3505-09	VLQ0426J330	COIL 33UH	5	G1C330J00005
P6510	K1KA05A00259	CONNECTOR (MALE)	1	
P6512	VJP3125D015	CONNECTOR (MALE)	1	K1KA15B00034
P6513	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P6514	K1KA07B00061	CONNECTOR (MALE)	1	
P6515	K1KA06A00207	CONNECTOR (MALE)	1	
P6517	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P6519	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P6520	K1KA05A00259	CONNECTOR (MALE)	1	
PP6501	K1KAA0A00092	CONNECTOR (MALE)	1	
PP6508	K1KA30A00106	CONNECTOR (MALE)	1	
Q3501	B1ACGD000006	TRANSISTOR	1	
Q3503,04	2SB1218AHL	TRANSISTOR	2	
Q3505	2SD1819A0L	TRANSISTOR	1	
Q3508	2SD1819A0L	TRANSISTOR	1	
Q3581-83	2SD1819A0L	TRANSISTOR	3	
Q4201	XN4504	TRANSISTOR-RESISTOR	1	
QR501	UNR9215J0L	TRANSISTOR	1	
QR3502	B1GBBEMM0001	TRANSISTOR	1	
QR3584	UNR9114J0L	TRANSISTOR	1	
QR3585	UNR9213J0L	TRANSISTOR	1	
QR4202	XP0431200L	TRANSISTOR	1	
R501	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R502	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R503	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R505	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R508,09	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3502	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3503	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3504	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R3505,06	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3507	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3508	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3509	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3510,11	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3512	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3513	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3514	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3515	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3516-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3519	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3520	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3521	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R3522	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3552	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3553	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3554	ERJ3GEYJ202	M.RESISTOR CH 1/16W 2K	1	
R3555	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3556	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3557,58	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R3559	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3560	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3561,62	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3563	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3568	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3580	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3584-86	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3591	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3592	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3593	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3594	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4205	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4208,09	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R4210,11	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R4212	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4228,29	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	2	
R6502	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6504	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R6505	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6510,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R6515-20	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	6	
R6523-25	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6526	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6539	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6540-42	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6543,44	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
		MISCELLANEOUS		
	VEE0W08	GND SUPPORT CABLE ASS'Y	1	
	VEE8184	AV JACK A MECHA CHASSIS EARTH CABL	1	
■ E3	VEP06F19B	EVR INT C.B.A.	1	(RTL)
PP6851	K1KB60A00105	CONNECTOR (FEMALE)	1	
PP6852,53	K1KA30A00149	CONNECTOR (MALE)	2	
■ E4	VEP22335A	CCD C.B.A.	1	(RTL)
C294	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C295	ECJ2VB1E104K	C.CAPACITOR CH 25V 0.1U	1	
D291	MA3J14300L	DIODE	1	
FP291	K1MN14A00041	CONNECTOR	1	
Q291	2SC3930	TRANSISTOR	1	
R292	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
■ E5	VEP06F12A	BATTERY INT C.B.A.	1	(RTL)
C6751	F1J0J475A008	C.CAPACITOR CH6.3V 4.7U	1	
C6752	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
FP6751	VJS3319B014	CONNECTOR (FEMALE)	1	
JK6751	K2EC3A000001	JACK	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P6751	K1KA05A00102	CONNECTOR (MALE)	1	
■ E6	VEP06F17A	ZOOM C.B.A.	1	(RTL)
FP6661	K1MN03B00002	CONNECTOR	1	
P6660	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
■ E7	VEP06F16A	PHOTO SHOT C.B.A.	1	(RTL)
P6640	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
S6640	EVQP1D05M	SWITCH	1	
■ E8	VEP06F13A	FRONT C.B.A.	1	(RTL)
C6801	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C6802	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C6803	F1H0J474A002	T.CAPACITOR CH6.3V 0.47U	1	
C6804	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C6806	ECJ1VB1C104K	C.CAPACITOR CH 16V 0.1U	1	
D6801	LN28CALUS	DIODE	1	
D6802	B3GA00000022	DIODE	1	
D6803	MA3S132D0L	DIODE	1	
D6804,05	B0BC6R100014	DIODE	2	
IR6801	PNA4618M05VT	REMOCON	1	
P6801	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
Q6801	2SD103000L	TRANSISTOR	1	
Q6802	2SD1819A-R	TRANSISTOR	1	
R6801	ERJ6GEYG181	M.RESISTOR CH 1/10W 180	1	
R6802	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R6803	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6804	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R6805	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R6806	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R6807	ERJ3GEYJ106	M.RESISTOR CH 1/16W 10M	1	
		MISCELLANEOUS		
	VMX1658	LED HOLDER	1	
	VEE0U55	FRONT CABLE ASS'Y	1	
	VJS3172B005	CONNECTOR (FEMALE) 5P	2	
■ E9	VEP06F14A	S/S & POWER C.B.A.	1	(RTL)
D6601	CL150YG	DIODE	1	
D6602	B3AAB0000050	DIODE	1	
FP6601	K1MN08B00040	CONNECTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6601-04	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
S6601	ESE103119	SWITCH	1	
S6602	VMG0763	SWITCH	1	
S6603	EVQPLPA08	SWITCH	1	
■ E10	VEP06F15A	EJECT C.B.A.	1	(RTL)
P6620	K1KA02A00385	CONNECTOR (MALE)	1	
S6620	ESD165236	SWITCH	1	
■ E11	VEP04824B	AV JACK C.B.A.	1	(RTL)
C4501	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4507,08	ECJ1VB1H472K	C.CAPACITOR CH 50V 4700P	2	
C4511	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4512,13	ECJ1ZB1H103K	C.CAPACITOR CH 50V 0.01U	2	
D4501	B0BC6R100014	DIODE	1	
D4511	B0BC6R100014	DIODE	1	
JK4501	K2HZ106B0005	JACK	1	
JK4502	K2HA306B0067	JACK	1	
JK4511	K2HC103B0143	JACK	1	
LB4501-03	VLF1144A102	FILTER	3	
LB4504,05	J0JBC0000034	FILTER	2	
LB4511-13	VLF1144A102	FILTER	3	
P4501	VJP3125D015	CONNECTOR (MALE)	1	K1KA15B00034
R4503	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
■ E12	VEP03G26A	DV TERMINAL C.B.A.	1	(RTL)
JK4591	K1FA104A0011	CONNECTOR	1	
P4591	K1KA05A00259	CONNECTOR (MALE)	1	
■ E13	VEP06F11A	SIDE (R) C.B.A.	1	(RTL)
FP6701	K1MN50B00014	CONNECTOR	1	
FP6702	K1MN26A00043	CONNECTOR	1	
FP6703	K1MN21B00033	CONNECTOR	1	
P6701,02	VJP3172D002	CONNECTOR (MALE)	2	K1KA02B00051
R6701,02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R6705	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R6906-08	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	3	
S6701	K0H1BA000260	SWITCH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E14	VEP26254D	MONITOR C.B.A.	1	(RTL)
■	VEP06E18A	HOLE SENSOR FPC C.B.A.	1	(RTL)FOR VEP26254D
C903	ECST0JY106Z	T.CAPACITOR CH6.3V 10U	1	
C906	ECJ0EB1E471K	C.CAPACITOR CH 25V 470P	1	
C907-09	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	3	
C910	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C911	ECJ0EB1E471K	C.CAPACITOR CH 25V 470P	1	
C913	ECJ0EB1E471K	C.CAPACITOR CH 25V 470P	1	
C916-18	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	3	
C921	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C923	ECJ4YB1C106V	C.CAPACITOR CH 16V 10U	1	
C927	ECJ2VB1E104K	C.CAPACITOR CH 25V 0.1U	1	
C929	ECJ0EB1E152K	C.CAPACITOR CH 25V 1500P	1	
C931	ECJ2YB1A105K	C.CAPACITOR CH 10V 1U	1	
C932	ECJ3YB1E105K	T.CAPACITOR CH 25V 1M	1	
C934	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C935	ECJ4YB1C106V	C.CAPACITOR CH 16V 10U	1	
C937	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C938	ECJ0EC1H101J	C.CAPACITOR CH 50V 100P	1	
C939	ECJ1VC1H331G	C.CAPACITOR CH 50V 330P	1	
C940	ECJ0EC1H560J	C.CAPACITOR CH 50V 56P	1	
C941	F1G1H100A448	C.CAPACITOR CH 50V 10P	1	
C942	ECJ2YB1C474K	C.CAPACITOR CH 16V 0.47U	1	
C943,44	ECJ1VB1A224K	T.CAPACITOR CH 10V 0.22U	2	
C945	ECJ0EB1E332K	C.CAPACITOR CH 25V 3300P	1	
C946	ECJ4YB1C106V	C.CAPACITOR CH 16V 10U	1	
C947,48	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	2	
C950	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
C952	ECJ2VB1E104K	C.CAPACITOR CH 25V 0.1U	1	
C953	ECJ0WB1C103K	C.CAPACITOR CH 16V 0.01U	1	
D903	MA3S132D0L	DIODE	1	
D904	MA4X159A0L	DIODE	1	
D905	MA6Z12100L	DIODE	1	
D906	MA2J11100L	DIODE	1	
D908	B0BC6R100014	DIODE	1	
FP901	VJS3320B024	CONNECTOR (FEMALE)	1	
FP903	K1MN25B00033	CONNECTOR	1	
IC901	AN2540FHQ-V	IC	1	
IC902	TC4W53FU	IC	1	
IC908	SN74LV04APW	IC	1	C0JBAB000247
IC991	DN8797MSC	IC	1	FOR VEP06E18A
L901	VLQ0807K100	COIL 10UH	1	G1C100K00024
L905	VLQ0807K100	COIL 10UH	1	G1C100K00024
Q901	B1HBCFA00001	TRANSISTOR	1	
Q902	B1DFCG000004	TRANSISTOR	1	
Q903	B1HFCFA00010	TRANSISTOR	1	
Q905	B1HFCFA00010	TRANSISTOR	1	
Q906	2SB1462J0L	TRANSISTOR	1	
QR901	UNR9210J0L	TRANSISTOR	1	
QR902,03	UNR9214J0L	TRANSISTOR	2	
QR904	UNR9210J0L	TRANSISTOR	1	
QR905	UNR9212J0L	TRANSISTOR	1	
R901	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R903	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R904	ERJ3RBD622	M.RESISTOR CH 1/16W 6.2K	1	
R907	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R908-10	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R912	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R914	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R915	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R917	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R918	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R919	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R920	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R921	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R922	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R923	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R924	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R925	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R926	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R927	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R928	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R929	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R930	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R931	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R932	ERJ3RBD203	M.RESISTOR CH 1/16W 20K	1	
R933	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R934	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R936	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R937	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R938,39	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R940,41	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R942,43	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R945	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R946	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R947	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R948,49	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R950	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R951	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	1	
R952	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R953	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R957	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R958	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R959	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R960	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R961	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R962	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R963	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R964,65	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R966	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R967	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R968,69	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R970	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R971	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R972	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R973,74	ERJ8GEYJ335	M.RESISTOR CH 1/8W 3.3M	2	
R975	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R976	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R977	ERJ3RED180	M.RESISTOR CH 1/16W 18	1	
R978	ERJ6GEYJ335	M.RESISTOR CH 1/10W 3.3M	1	
R979	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R980	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R983	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R988	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R989	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
T901	ETJ09K59AZ	TRANSFORMER	1	
T902	EFTU21R203	TRANSFORMER	1	
■ E15	VEP28298A	EVF INT C.B.A.	1	(RTL)
FP852	K1MN22B00029	CONNECTOR	1	
P851	K1KA30A00106	CONNECTOR (MALE)	1	
R851	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E16	VEP28284A	EVF C.B.A.	1	(RTL)
C802	F1J1C105A091	C.CAPACITOR CH 16V 1U	1	
D801,02	B3AFB0000016	LED	2	
D803	B0BC6R100014	DIODE	1	
D804	MA3S13300L	DIODE	1	
FP802	K1MN21B00020	CONNECTOR	1	
FP803	K1MN22B00062	CONNECTOR	1	
Q801	XP0450100L	TRANSISTOR	1	
R801	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R803,04	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
■ E17	VEP06F18A	HANDLE ZOOM C.B.A.	1	(RTL)
P6681	K1KA07A00067	CONNECTOR (MALE)	1	
S6680	K0H1BA000399	SWITCH	1	
S6681,82	K0H1BA000105	SWITCH	2	
■ E18	VEP04823A	MIC JACK C.B.A.	1	(RTL)
C4901,02	ECJ1VB1H222K	C.CAPACITOR CH 50V 2200P	2	
C4903	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C4905	F2H0J470A003	E.CAPACITOR 6.3V 47U	1	
C4906,07	ECJ1VB1E223K	C.CAPACITOR CH 25V 0.022U	2	
C4908	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C4910,11	F2H0J470A003	E.CAPACITOR 6.3V 47U	2	
C4912	ECJ1ZB1C104K	C.CAPACITOR CH 16V 0.1U	1	
C4913	ECJ1VB0J105K	C.CAPACITOR CH 35V 1M	1	
C4914,15	ECJ1VB1H102K	C.CAPACITOR CH 50V 1000P	2	
FP4902	K1MN06B00048	CONNECTOR	1	
FP4903	K1MN08B00040	CONNECTOR	1	
JK4901	K2HC105E0003	JACK	1	
LB4901	J0JHC0000032	FILTER	1	
Q4901	2SD1819A-R	TRANSISTOR	1	
Q4902	2SB1218AHL	TRANSISTOR	1	
Q4903	2SD1819A-R	TRANSISTOR	1	
Q4904	2SB1218AHL	TRANSISTOR	1	
Q4905-07	2SD1819A-R	TRANSISTOR	3	
R4901	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4902	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4903	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R4904	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4905	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4906	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4907	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R4908	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R4909	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4910	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4911	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R4913	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4914	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4915	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	1	
R4916	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4917	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4918	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4919	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4921	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4923,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4925,26	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	2	
R4927	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R4928,29	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	2	
		MISCELLANEOUS		
	VSC4666	FRONT SHIELD CASE (A)	1	
	VWJ08G4050AA	MIC JACK FFC	1	

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